

## An Annotated Bibliography on North Pacific Albatrosses<sup>1</sup>

HUBERT FRINGS, MABLE FRINGS, and CARL FRINGS<sup>2</sup>

THREE SPECIES of albatrosses (Family Diomedidae) are breeding residents in the North Pacific—Laysan Albatross (*Diomedea immutabilis*), Black-footed Albatross (*D. nigripes*), and Steller's or Short-tailed Albatross (*D. albatrus*). At various times each of these has been decimated by man, and for some time *D. albatrus* was believed to be extinct. Their fate is by no means certain now, and scientific interest in them is growing, particularly in the two species resident on the Leeward Islands of the Hawaiian chain (*D. immutabilis* and *D. nigripes*). In our own attempts to gather information on these birds from the literature we experienced great difficulty, for, while the total number of published articles and books is not too large, the bibliographies in published works are incomplete or inaccurate, and the papers are scattered in many journals. Accordingly, we have attempted to prepare a bibliography that is as complete as we can make it now. Each reference has been read, classified, and abstracted, and this publication embodies the results.

This bibliography does not represent all of the literature on the North Pacific albatrosses, but we believe it includes all major works. We have a few incomplete references which we have been unable to verify or identify as yet. When found these will be read and abstracted. Also other references may turn up or be called to our attention. We hope to be able to publish these, as soon as all are found, in a supplement.

The bibliography is arranged alphabetically and chronologically by first author. This is followed by a combined taxonomic and subject index. Each reference, besides containing the

usual information, is followed by a group of symbols within parentheses forming a symbolic abstract, and by a brief statement of contents. Since many longer works deal with more than just these birds, relevant pages of larger papers are given; this should be useful for persons wishing to order photocopies.

The following sample references illustrate the system used in this bibliography:

Kaeding, Henry B. 1905. Birds from the West Coast of Lower California and adjacent islands. *Condor* 7:105–111. (Tech.; nig., imm.; Dist., Ecol.) Sighting records with notes on seasonal variation in numbers (p. 107).

Hattori, Toru. 1889. (The story of the Albatross of Torishima.) [In Japanese.] *Zool. Mag. (Dobutsugaku Zasshi)*, Tokyo 1(12):405–411. (Tech.; alb.; Gen.) Austin (1949): general work on behavior, reproduction, and habits.

The first of the symbols within the parentheses, before the semicolon, indicates the level of writing of the author. The four designations used are:

Tech.: technical, scholarly, scientific presentation

S. Tech.: semitechnical, scholarly, but less formal and more anecdotal

S. Pop.: semipopular, written for the educated layman, with few technical terms

Pop.: popular, entirely nontechnical

These classifications imply no judgment of the validity of the information presented; popular articles, for instance, may be of great value for certain studies.

Next, followed by a second semicolon, are the species discussed:

nig.: *D. nigripes*

imm.: *D. immutabilis*

alb.: *D. albatrus*

<sup>1</sup> This compilation was aided by Contract Nonr (G) 00033-62, (NR 301-661), between the Office of Naval Research, Department of the Navy, and the University of Hawaii. Manuscript received February 23, 1965.

<sup>2</sup> Department of Zoology, University of Hawaii, Honolulu.

The last part of the material within the parentheses gives the subject categories discussed. If five or more of the subject categories are covered for one species, the article is termed general (Gen.). The following are the subject headings used:

- Desc.: description, taxonomy, and coloration
- Dist.: geographical distribution
- Morph.: morphology and measurements
- Phys.: physiology
- Behav.: behavior, social and sexual habits, communication, flight, etc.
- Repr.: reproduction, nesting, life cycles, egg descriptions, embryology, development of young
- Ecol.: ecology, populations, food, inter-specific relationships
- Prac.: practical relations with man, depredations by man, captivity, bird-strike problem

Following the symbolic abstract is a sentence giving information about the work not obvious from the abstract, or further characterizing it. This sentence is followed, in some cases, by page numbers in parentheses. These are the pages on which information about albatrosses is found.

Now we may interpret the Kaeding reference. It is a technical publication about both Black-footed and Laysan Albatrosses, dealing with their distribution and ecology, particularly as noted in the short statement. The relevant page in this article is 107.

The second illustrative reference shows some other points. The title is in parentheses, meaning that it is a translation of the original Japanese. At the beginning of the sentence is the notation: Austin (1949); this means that we did not read the work, but take the information from Austin's article. The only other secondary source used was that of Baker (1951).

The bibliography is followed by an index arranged by species, and under each, by subject headings, which are the same as those listed above. The symbolic abstract shows the largest number of subjects for all the species. In the index, on the other hand, only relevant subject references are listed for each species. For ex-

ample, in the Kaeding reference above, distribution is discussed for both *D. nigripes* and *D. immutabilis*, but ecology only for the former. Therefore, in the index the reference is not listed under ecology for the Laysan Albatross. Thus, if one wishes to know whether a reference has information on a specific subject listed in the symbolic abstract for a particular species, he can determine this from the index.

In some of the older articles modern names were not used, and interpretation was necessary. In a few cases it was impossible to tell which species was meant. In such cases, a question mark is placed after the species symbol, indicating that the species listed is our best guess.

We would like to express our appreciation to Mildred Arinoki for her conscientious work on typing and checking the manuscript.

#### BIBLIOGRAPHY

1. Aldrich, John W. 1958. Conflict of birds and aircraft at Midway. *Audubon Mag.* 60(1):27-29, 35, 41. (Pop.; nig., imm.; Prac.) Bird-strike problem and description of efforts to solve it.
2. Alexander, W. B. 1955. *Birds of the Ocean. A Handbook for Voyagers.* Putnam, London. 282 pp. (S. Pop.; nig., imm., alb.; Desc., Dist., Repr.) General description of birds, egg-dates, and range (pp. 8, 11, 12, 13).
3. Alexander, W. D. 1920. Australian species of Tubinaries (Petrels and Albatrosses). *Emu* 20:66-74. (Tech.; alb.; Dist.) Distributional note (p. 70).
4. Anderson, William G. 1954. Notes on food habits of sea birds of the Pacific. *Elepaio* 14:80-84. (S. Pop.; nig., imm.; Dist., Behav., Repr., Ecol.) Notes on birds over water (pp. 83, 84).
5. Anon. 1908. Midway Islands. *Paradise of the Pacific* 21(6):20-21. (Pop.; nig., imm.; Ecol., Prac.) Brief mention of effects of feather-hunting (p. 21).
6. Anon. 1908. Albatross on Laysan Islands.

- Paradise of the Pacific 21(11):15. (Pop.; nig., imm.; Dist., Behav.) Brief notes.
7. Anon. 1942. Notes on Fish and Wildlife Service band reports. *Elepaio* 2:69. (S. Pop.; nig., imm.; Ecol.) Random notes on returns of banded birds; one *D. nigripes* near Japan.
  8. Anon. 1944. Note from station newspaper on Midway. *Elepaio* 5:5. (S. Pop.; nig., imm.; Prac.) Short paragraph noting birds' lack of fear.
  9. Anon. 1948. Albatrosses fly Hawaii to Japan. *Elepaio* 8:59. (S. Pop.; nig.; Ecol.) Recovery of banded albatross in Japan.
  10. Anon. 1948. Bird banding returns. *Elepaio* 9:4. (S. Pop.; nig., imm.; Ecol.) Recovery of birds banded on Midway Islands.
  11. Anon. 1948. Capture of albatrosses near Japan. *Elepaio* 9:5. (S. Pop.; nig.; Ecol.) Record for *D. nigripes* banded on Midway.
  12. Anon. 1950. They are leaving Midway to the Gooney Birds. *Pacific Island Monthly* 20(11):46, 57. (S. Pop.; nig., imm.; Prac.) Note on the bird problem.
  13. Anon. 1951. The Laysan Island cyclorama and late news from Laysan. *Elepaio* 12:1-2. (S. Pop.; nig., imm.; Prac.) A note on this exhibit, with historical data on depredations on birds.
  14. Anon. 1951. Report of meeting of Hawaii Audubon Society with Robert R. Sheehan. *Elepaio* 12:30. (S. Pop.; nig., imm.; Behav.) Paragraph noting photos and recordings made by Sheehan.
  15. Anon. 1956. News notes. *Elepaio* 16:54. (S. Pop.; nig., imm.; Dist.) Sighting records at sea.
  16. Anon. 1956. Honolulu Christmas count. *Elepaio* 16:38-39. (S. Pop.; imm.; Dist.) Sighting record (p. 39).
  17. Anon. 1957. A Laysan Albatross. *Elepaio* 18:6. (S. Pop.; imm.; Dist.) Very brief note on bird found on Oahu.
  18. Anon. 1957. Honolulu Christmas count. Dec. 23, 1956. *Elepaio* 17:55-56. (S. Pop.; nig., imm.; Dist.) Sighting records.
  19. Anon. 1958. Honolulu Christmas count. Dec. 22, 1957. *Elepaio* 18:48-50. (S. Pop.; nig.; Dist.) Sighting records.
  20. Anon. 1958. Honolulu Christmas counts. 1949-1957. *Elepaio* 18:51. (S. Pop.; nig., imm.; Dist.) Sighting records.
  21. Anon. 1959. Honolulu Christmas count. Dec. 21, 1958. *Elepaio* 19:47-50. (S. Pop.; nig.; Dist.) Sighting records (p. 47).
  22. Anon. 1959. Honolulu Christmas counts. 1949-1958. *Elepaio* 19:51. (S. Pop.; nig.; Dist.) Sighting records.
  23. Anon. 1960. Honolulu Christmas count. Dec. 27, 1959. *Elepaio* 20:52-53. (S. Pop.; nig.; Dist.) Sighting records (p. 52).
  24. Anon. 1960. Honolulu Christmas counts. 1950-1959. *Elepaio* 20:54. (S. Pop.; nig., imm.; Dist.) Sighting records.
  25. Anon. 1961. Honolulu Christmas counts. 1951-1960. *Elepaio* 21:57-58. (S. Pop.; nig.; Dist.) Sighting records.
  26. Anthony, A. W. 1898. Petrels of Southern California. *Auk* 15:140-144. (Tech.; nig., alb.; Behav.) A note on diving for food (p. 144).
  27. Anthony, A. W. 1898. Four sea birds new to the fauna of North America. *Auk* 15:38-39. (Tech.; imm.; Dist.) Sighting and capture records.
  28. Anthony, A. W. 1924. The raided rookeries of Laysan, a belated echo. *Condor* 26:33-34. (Tech.; nig., imm., alb.; Dist., Ecol., Prac.) Notes on population decrease, food, and seasonal and daily distribution.
  29. Anthony, A. W. 1925. Expedition to Guadalupe Island, Mexico in 1922. The birds and mammals. *Proc. Cal. Acad. Sci.*, 4th Ser., 14:277-320. (Tech.; nig.; Dist., Prac.) Sighting record. Note on effect of feather-hunting on populations (p. 283).
  30. Armstrong, E. A. 1947. Bird Display and Behaviour. Oxford Univ. Press, New York. 431 pp. (S. Tech.; nig., imm.;

- Behav., Repr.) Review of mating and courtship rituals (pp. 23, 40, 62, 145, 154–155, 161, 174, 201, 213, 337, 345).
31. Arnold, Lee W. 1948. Observations on populations of North Pacific pelagic birds. *Auk* 65:553–558. (Tech.; nig., alb.; Dist.) Records of sightings and radar "sightings" (pp. 555–558).
  32. Audubon, John James. 1856. *Birds of America*. V. G. Audubon, New York, Vol. 7. 372 pp. (Tech.; nig., imm.; Desc., Dist., Morph.) Extended descriptions, characteristics, and measurements of specimens (pp. 195–201).
  33. Austin, O. L., Jr. 1948. The birds of Korea. *Bull. Mus. Comp. Zool., Harvard* 101(1):1–301. (Tech.; nig., alb.; Dist., Ecol.) Short discussion of distribution and history of populations (pp. 31–32).
  34. Austin, O. L., Jr. 1949. The status of Steller's Albatross. *Pacific Sci.* 3:283–295. (Tech.; nig., imm., alb.; Gen.) General historical review of the Japanese literature on these birds.
  35. Austin, Oliver L., Jr. and Nagahisa Kuroda. 1953. Birds of Japan, their status and distribution. *Bull. Mus. Comp. Zool., Harvard* 109:280–637. (Tech.; nig., imm., alb.; Gen.) General notes on occurrence of these species in Japan, with history of breeding (pp. 298–300).
  36. Austin, O. L., Jr. 1961. *Birds of the World*. Golden Press, New York, N. Y. 316 pp. (S. Tech.; nig., imm., alb.; Dist., Repr., Prac.) Brief discussion, particularly on practical aspects (pp. 30–34).
  37. Bailey, Alfred M. 1919. Notes on our Hawaiian reservations. *Nat. Hist.* 19:382–395. (S. Tech.; nig., imm.; Behav.) Very brief notes on distribution, nesting, and flight (pp. 386, 390, 392–395).
  38. Bailey, Alfred M. 1925. A report on the birds of Northwestern Alaska and regions adjacent to Bering Strait, Parts I and IV. *Condor* 27:20–32; 164–171. (S. Tech.; nig.; Dist.) Sighting records (pp. 21, 166).
  39. Bailey, Alfred M. 1934. Wanderers of the sea. *Nat. Hist.* 34:273–281. (S. Pop.; nig., imm.; Gen.) General observations on behavior, etc. at sea.
  40. Bailey, Alfred M. 1941. Cruise of the Kinkajou. *Natl. Geog. Mag.* 80:338–366. (S. Pop.; nig.; Dist., Behav.) Mention of distribution and flight along Mexican coast (p. 339).
  41. Bailey, Alfred M. 1942. The Portulaca flats of Laysan. *Audubon Mag.* 44:150–161. (Pop.; nig., imm.; Behav.) Notes on birds of Midway and Laysan, chiefly natural history.
  42. Bailey, Alfred M., and Robert J. Niedrach. 1951. *Stepping Stones Across the Pacific*. Mus. Pictorial, Denver Mus. Nat. Hist., No. 3. 63 pp. (Pop.; nig., imm.; Behav., Ecol.) Brief notes on birds on Midway Island (pp. 27–31, 62–63).
  43. Bailey, Alfred M. 1951. Notes on the birds of Midway and Wake Islands. *Wilson Bull.* 63:35–37. (Tech.; nig., imm.; Dist., Repr., Prac.) Brief notes on times of return for breeding and egg laying, with information on disappearance on Wake (pp. 36–37).
  44. Bailey, Alfred M. 1952. Laysan and Black-footed Albatrosses. *Mus. Pictorial, Denver Mus. Nat. Hist.*, No. 6. 78 pp. (S. Tech.; nig., imm.; Gen.) A general description of life histories, habits, and behavior.
  45. Bailey, Alfred M. 1956. *Birds of Midway and Laysan Islands*. Mus. Pictorial, Denver Mus. Nat. Hist., No. 12. 130 pp. (S. Tech.; nig., imm., alb.; Gen.) A general description of many birds of the islands, including sections on the albatrosses, with notes on albinism (pp. 35–52).
  46. Bailey, Florence Merriam. 1904. *Handbook of Birds of the Western United States*. Houghton Mifflin and Co., Boston and New York. 514 pp. (S. Tech.; nig., alb.; Desc., Dist., Morph.) Brief description and key (pp. 32–33).



47. Baird, Spencer Fullerton, T. M. Brewer, and Robert Ridgway. 1884. The water birds of North America. Mem. Mus. Comp. Zool., Harvard 12 and 13:1-359. (Tech.; nig., imm., alb.; Desc., Behav., Ecol.) General description and life history notes (Vol. 13, pp. 346, 351-357).
48. Baker, Rollin H. 1951. The avifauna of Micronesia, its origin, evolution, and distribution. Univ. Kansas Publ., Mus. of Nat. Hist. 3(1):1-359. (Tech.; nig., alb.; Desc., Dist., Morph.) A summary of reports and sighting records (pp. 63-64).
49. Bang, Betsy Garrett. 1960. Anatomical evidence for olfactory function in some species of birds. Nature 188:547-549. (Tech.; nig., imm.; Morph.) Comparative morphology of olfactory organs.
50. Bang, Betsy Garrett. 1961. The surface pattern of the nasal mucosa and its relation to mucous flow—a study of chicken and Herring Gull nasal mucosae. J. Morphol. 109:57-72. (Tech.; nig., imm.; Morph.) Note that albatrosses have the described patterns (pp. 57, 63).
51. Barrett-Hamilton, Gerald E. H. 1903. Remarks on the flight and distribution of the albatrosses of the North Pacific Ocean. Ibis, 8th Ser., 3:320-324. (S. Tech.; nig., imm., alb.; Desc., Dist., Behav.) Notes of shipboard observations with remarks on feeding and actions in the water.
52. Bartholomew, George A., and Thomas R. Howell. 1964. Experiments on nesting behavior of Laysan and Black-footed Albatrosses. Animal Behaviour 12:549-559. (Tech.; nig., imm.; Behav., Repr.) Experiments on nest recognition, acceptance of eggs and chicks, and nest displacement.
53. Bartsch, Paul. 1922. A visit to Midway Island. Auk 39:481-488. (Tech.; nig., imm.; Ecol., Prac.) Brief notes on breeding, food, and effects of man's predation (pp. 484-486).
54. Bean, Tarleton H. 1882. Notes on birds collected during the summer of 1880 in Alaska and Siberia. Proc. U. S. Natl. Mus. 5:144-173. (Tech.; nig., imm., alb.; Desc., Dist., Behav., Ecol.) Notes on habits, description, and distribution of these species (pp. 144, 169-173).
55. Beck, Rollo Howard. 1910. Water birds of the vicinity of Point Pinos, California. Proc. Cal. Acad. Sci., 4th Ser., 3:57-72. (Tech.; nig., alb.; Dist.) Sighting records (pp. 64-65).
56. Bent, A. C. 1912. Notes on Birds observed during a brief visit to the Aleutian Islands and Bering Sea in 1911. Smithsonian Misc. Coll. 56(32):1-29. (Tech.; nig.; Dist.) Sighting records (p. 9).
57. Bent, Arthur Cleveland. 1922. Life histories of North American Petrels and Pelicans and their allies. Smithsonian Inst., U.S. Natl. Mus., Bull. 121:1-343. (Tech.; nig., imm., alb.; Gen.) General review of life history and biology (pp. 1-16).
58. Berman, Harvey. 1958. MATS versus the Gooney Bird. Flying 63(3):48-49. (Pop.; nig., imm.; Prac.) Bird-strike problem and attempts to scare birds.
59. Biddle, Virginia Hamill. 1938. Touring Midway Island. Paradise of the Pacific 50(10):5-6. (Pop.; nig., imm.; Behav.) Very short note on flight and behavior on ground (p. 5).
60. Bishop, James L. 1951. Letter to Grenville Hatch. Elepaio 12:18. (S. Pop.; nig., imm.; Behav., Repr.) A short note on nesting, diseases of young, and albinism.
61. Blackman, Thomas M. 1941. Feathered airmen of Midway Islands. Nat. Hist. 48:173-180. (S. Pop.; nig., imm.; Behav.) Photos and brief description of general behavior.
62. Blackman, Thomas M. 1944. Gliders of Midway. Tongg Publ. Co., Honolulu, Hawaii. 30 pp. (Pop.; nig., imm.; Desc., Behav.) Photos and notes on general activities.
63. Blackman, Thomas M. 1944. Birds of the Central Pacific Ocean. Tongg

- Publ. Co., Honolulu, Hawaii. 70 pp. (S. Tech.; nig., imm., alb.; Desc., Dist., Behav., Ecol.) A general discussion of the species, with special notes on hybrids and food (pp. 13–19).
64. Blackman, Thomas M. 1949. The flight of the albatross. *Nat. Hist.* 58:168–171. (S. Pop.; nig., imm., alb.; Dist., Behav., Repr.) Life history, reproduction, and flight behavior discussed.
  65. Blakiston, T., and H. Pryer. 1878. A catalogue of the birds of Japan. *Ibis*, 4th Ser., 2:209–250. (Tech.; nig., alb.; Dist.) Note on occurrence (p. 217).
  66. Brock, Vernon E. 1951. Laysan Island bird census. *Elepaio* 12:17–18. (S. Tech.; nig., imm.; Ecol.) Data for 1951, all birds.
  67. Brooks, W. S. 1915. Notes on birds from east Siberia and Arctic Alaska. *Bull. Mus. Comp. Zool., Harvard* 59:361–413. (Tech.; nig., alb.; Dist.) Sighting records (p. 369).
  68. Bryan, E. H., Jr. 1933, 1935. Hawaiian Nature Notes. Honolulu Star-Bulletin, Ltd., Honolulu, Hawaii. (Pop.; nig., imm.; Desc., Dist., Behav.) Brief mention of habits (pp. 249–253).
  69. Bryan, E. H., Jr. 1937. Pearl and Hermes reef. *Paradise of the Pacific* 49(10):19, 30. (Pop.; nig., imm.; Dist.) Photo record of occurrence (p. 19).
  70. Bryan, E. H., Jr. 1938. Lisiansky, an island of Hawaii. *Paradise of the Pacific* 50(2):31, 33–34. (Pop.; nig., imm.; Prac.) Remarks on poaching (p. 34).
  71. Bryan, E. H., Jr. 1938. Laysan, an island of Hawaii. *Paradise of the Pacific* 50(5):21, 28–30. (Pop.; nig., imm.; Ecol., Prac.) Notes on populations and poaching (p. 29).
  72. Bryan, E. H., Jr. 1939. A summary of Hawaiian birds. *Proc. Sixth Pac. Sci. Congr., Vol. IV*, pp. 185–189. (Tech.; nig., imm.; Dist.) Table of birds.
  73. Bryan, E. H., Jr. 1941–1942. Check list of birds reported from the Hawaiian group. Part 1. *Elepaio* 1:63–64. (S. Tech.; nig., imm.; Dist.) List of species (p. 63).
  74. Bryan, E. H., Jr., and J. C. Greenway, Jr. 1944. Contribution to the ornithology of the Hawaiian Islands. *Bull. Mus. Comp. Zool., Harvard* 94(2):79–142. (Tech.; nig., imm.; Desc., Dist., Ecol.) List of species, with synonymy and short notes on range and breeding (pp. 85, 92–93).
  75. Bryan, William Alanson. 1901. Key to the birds of the Hawaiian group. *B. P. Bishop Mus. Mem.* 1:259–332, Pls. XVI–XXX. (Tech.; nig., imm.; Dist.) Key, with description and dimensions, and distribution chart (pp. 266, 321).
  - 75a. Bryan, William Alanson. 1901. A list of the Hawaiian birds in the St. Louis College collection, Honolulu, H. I., including records of several North American species. *Auk* 18:382–387. (Tech.; nig.; Dist., Prac.) Brief note on collection and captivity (p. 384).
  76. Bryan, William Alanson, and Alvin Seale. 1901. Notes on the birds of Kauai. *B. P. Bishop Mus., Occas. Papers* 1:129–137. (Tech.; nig.; Dist.) A note on occurrence (p. 129).
  77. Bryan, William Alanson. 1903. A monograph of Marcus Island. *B. P. Bishop Mus., Occas. Papers* 2:77–124. (Tech.; nig., imm.; Dist., Prac.) Note on extinction of these birds on this island (pp. 106–107).
  78. Bryan, William Alanson. 1906. Report of a visit to Midway Island. *B. P. Bishop Mus., Occas. Papers* 2:291–299. (S. Tech.; nig., imm.; Ecol., Prac.) Report of evidences of man's depredations.
  79. Bryan, William Alanson. 1910. Bird slaughter in the Pacific islands. *Bird-Lore* 12:90–93. (S. Pop.; nig., imm.; Prac.) Discussion of effects of poaching on populations of sea-birds.
  80. Bryan, William Alanson. 1911. Laysan Island. A visit to Hawaii's bird reservation. *Mid-Pacific Mag.* 2:302–315. (Pop.; nig., imm.; Behav.) Habits

- and life histories discussed (pp. 311–315).
81. Bryan, William Alanson. 1915. *Natural History of Hawaii*. Hawaiian Gazette Co., Honolulu, Hawaii. 596 pp. (S. Pop.; nig., imm.; Desc., Dist., Behav., Repr.) Short notes on dancing and feeding of young (pp. 79, 92, 312, 314–315).
  82. Bryant, W. E. 1889. A catalogue of the birds of Lower California, Mexico. *Proc. Cal. Acad. Sci.*, 2nd Ser., 2: 237–320. (Tech.; nig., alb.; Dist.) Sighting records (p. 252).
  83. Buchheister, Carl W. 1964. Report on a visit to Midway Island, January 15 to January 21, 1964. *Elepaio* 24:41–43. (S. Pop.; nig., imm.; Prac.) Notes on bird-strike hazard and recommendations for research.
  84. Butler, George D., Jr. 1961. Insects and other arthropods from Laysan Island. *Proc. Haw. Entomol. Soc.* 17:379–387. (Tech.; nig., imm.; Ecol.) Lists Mallophaga of albatrosses.
  85. Buturlin, Sergius A. 1911. Australian birds in Siberia. *Emu* 11:95–98. (Tech.; alb.; Dist.) Distributional note (p. 96).
  86. Cahn, Alvin R. 1947. Notes on the birds of the Dutch Harbor area of the Aleutian Islands. *Condor* 49:78–82. (Tech.; nig.; Dist.) Sighting records (p. 78).
  87. Caldwell, Harry R., and John C. Caldwell. 1931. *South China Birds*. Hester May Vanderburgh, Shanghai. 447 pp. (Tech.; nig., alb.; Desc., Dist.) Brief note on sightings and identifying marks (p. 398).
  88. Campbell, Archibald James. 1898. Notes on the egg of the Short-tailed Albatross. *Vict. Nat.* 14:142–143. (S. Tech.; alb.; Dist., Repr.) Short note on distribution, egg sizes, and possible origin of North Pacific albatrosses.
  89. Campbell, Archibald James. 1900. *Nests and Eggs of Australian Birds*. Pawson & Brailsford, Sheffield. xl + 1102 pp., 27 pls. (S. Tech.; alb.; Dist., Repr.) Short note on distribution, egg sizes, and possible origin of North Pacific albatrosses (pp. 925–926).
  90. Cassin, John. 1858. United States Exploring Expedition During the Years 1838, 1839, 1840, 1841, 1842. *Mammalogy and Ornithology*. J. B. Lippincott and Co., Philadelphia, Vol. 8. 466 pp. (Tech.; nig., alb.; Desc., Dist., Morph., Behav.) Brief notes on mating, ship-following, and sounds, with descriptions of species (pp. 398–401).
  91. Caum, E. L. 1936. Notes on the flora and fauna of Lehua and Kaula Islands. *B. P. Bishop Mus., Occas. Papers* 11(21):1–17. (Tech.; nig.; Dist.) Mention of occurrence (p. 12).
  92. Chisholm, Donald R. 1937. The majestic albatross. *Asia* 37:84–89. (S. Tech.; nig., imm.; Behav., Repr., Ecol.) Facts about life histories and habits.
  93. Clark, Austin Hobart. 1910 (1911). The birds collected and observed during the cruise of the United States Fisheries Steamer "Albatross" in the North Pacific Ocean, and in the Bering, Okhotsk, Japan, and Eastern Seas, from April to December, 1906. *Proc. U. S. Natl. Mus.* 38:25–74. (Tech.; nig., imm., alb.; Dist., Behav.) Distributional records and brief notes on tameness (pp. 37–39).
  94. Clark, Terence O. 1946. Bird observations to San Francisco aboard a transport. *Elepaio* 7:1–3. (S. Pop.; nig., imm., alb.; Dist.) Sighting records, with notes on ship-following.
  95. Cogswell, Howard L. 1946. Bird study aboard a transport to the western Pacific. *Elepaio* 6:46–48, 53–54. (S. Pop.; nig., imm.; Dist.) Sighting records (pp. 47–48).
  96. Cooke, May Thacher. 1943. Returns from banded birds: some miscellaneous recoveries of interest. *Bird-Banding* 14:67–74. (S. Tech.; nig.; Dist.) Report of two band returns (p. 68).

97. Cooke, May Thacher. 1945. Banding records from the Pacific. *Bird-Banding* 16:105. (S. Tech.; nig.; Dist.) Report of one band return.
98. Cottam, Clarence, and P. Knappen. 1939. Food of some uncommon North American birds. *Auk* 56:138-169. (Tech.; nig.; Ecol.) Stomach contents of two birds reported (p. 140).
99. Coues, Elliott. 1866. Critical review of the family Procellariidae; — Part V; embracing the Diomedinae and the Halodrominae. With a general supplement. *Proc. Acad. Nat. Sci., Philadelphia*, 1866:172-197. (Tech.; nig., alb.; Desc., Dist., Morph.) Taxonomy, description and distribution discussed (pp. 177-187).
100. Coues, Elliott. 1903. Key to the North American Birds. Page Co., Boston. 2 vol., 1152 pp. (Tech.; nig., imm., alb.; Desc., Dist., Morph.) Brief description and distributional notes (Vol. 2, p. 1024).
101. Coues, Elliott. 1927. Key to North American Birds. Page Co., Boston, 2 vol., 1152 pp. (Tech.; nig., imm., alb.; Desc., Dist., Morph., Repr.) Taxonomic and life history data (Vol. 2, pp. 1024-1025).
102. Dall, W. H. 1874. Notes on the avifauna of the Aleutian Islands, especially those west of Unalashka. *Proc. Cal. Acad. Sci.*, 1st Ser., 5:270-281. (Tech.; nig., alb.; Dist., Repr.) Short notes on abundance and breeding (p. 277).
103. Dall, W. H. 1875. Notes on the avifauna of the Aleutian Islands, from Unalashka eastward. *Proc. Cal. Acad. Sci.* 5(3):25-35. (Tech.; nig.; Dist., Behav., Ecol.) Brief observations on flight, distribution, and feeding (p. 31).
104. Davie, Oliver. 1889. Nests and Eggs of North American Birds. Hann and Adair, Columbus, Ohio. 455 pp. (S. Tech.; nig., alb.; Dist., Behav., Repr.) Very brief notes on distribution, habits, and eggs (pp. 41-42).
105. Dawson, William Leon. 1923. The Birds of California. South Moulton Co., San Diego. 4 vol., 2121 pp. (Tech.; nig., imm., alb.; Gen.) General notes (Vol. 4, pp. 1984-1992).
106. Denig, J. L. 1936. A Marine among the birds. *Bird-Lore* 38:5-11. (S. Pop.; nig., imm.; Behav.) Short notes on nesting and behavior (pp. 7-9).
107. Dill, Homer R., and William Alanson Bryan. 1912. Report of an expedition to Laysan Island in 1911 under the joint auspices of the United States Department of Agriculture and the University of Iowa. U. S. D. A., Biol. Surv. Bull. 42, 30 pp. (Tech.; nig., imm.; Dist., Behav., Ecol., Prac.) List of birds, with notes on habits and protection.
108. Dill, Homer R. 1913. The albatrosses of Laysan. *Amer. Mus. J.* 13:185-192. (S. Tech.; nig., imm.; Behav.) General description of behavior and habits.
109. Dill, Homer R. 1916. The albatross of Laysan. *Wilson Bull.*, 28:172-175. (S. Tech.; nig., imm.; Gen.) Brief general summary, with many photos.
110. Dixon, Keith L., and William C. Starrett. 1952. Offshore observations of tropical sea birds in the western Pacific. *Auk* 69:266-272. (Tech.; nig., imm.; Dist.) Sighting records (p. 269).
111. Donaghho, Walter. 1940. Notes on birds of Midway. (Letter from Midway.) *Elepaio* 1:32. (Pop.; nig., imm.; Ecol.) Very brief mention of leaving island by young.
112. Donaghho, Walter. 1941. Bird notes from Midway. *Elepaio* 1:65. (S. Pop.; imm.; Ecol.) Random sentences, with note on hatching time.
113. Donaghho, Walter. 1941. Notes on birds of Midway. *Elepaio* 2:33. (S. Pop.; nig., imm.; Ecol.) Brief note on departure of birds in summer.
114. Donaghho, Walter. 1953-1954. Ornithological notes, Midway Islands, 1940. *Elepaio* 14:8-11, 18-21, 30-33, 41-43, 46-49, 57-59. (S. Pop.; nig., imm.; Behav., Ecol., Prac.) A diary

- during war, with notes on dancing, nesting, and effects of man.
115. Donaghho, Walter. 1954. Letter to Grenville Hatch, Oct., 1953—Excerpts. *Elepaio* 14:76-77. (S. Pop.; nig.; Ecol.) Just a sentence on age of birds.
  116. Downs, T. McKean. 1945. Birds of Midway. *Atlantic Monthly* 176(1):62-65. (Pop.; nig., imm.; Gen.) General notes (pp. 63-64).
  117. DuMont, Philip A. 1955. Gooneybird studies on Midway. *Elepaio* 15:52-55. (S. Pop.; nig., imm.; Ecol., Prac.) Report of inspection trip and attempts to alleviate bird-strike problem.
  118. DuMont, Philip A. 1955. Gooneys sit out second battle of Midway. *Natl. Parks Mag.* 29:66-68. (S. Pop.; nig., imm.; Behav., Ecol., Prac.) Observations on behavior, aircraft problem, scaring attempts, and life histories, with banding data.
  119. Dutcher, W. 1905. Bird protection in the Pacific: Pacific Islands. *Bird-Lore* 7:301-306. (S. Pop.; nig., imm.; Prac.) Report on progress of protection of birds on Pacific Islands.
  120. Eastman, Whitney and Karen. 1958. Bird study in the Hawaiian Islands is a stimulating experience. *Elepaio* 19:1-5. (Pop.; nig., imm.; Dist.) Sighting records at sea (p. 5).
  121. Elliott, Henry W. 1884. Report on the seal islands of Alaska. Washington, D. C., 47th Congress, 2nd Session, House of Representatives Misc. Doc. 42, Part 8, 188 pp., 29 pls., from Dept. of Interior, Census Office. (Tech.; nig., alb.; Dist., Behav., Ecol.) Notes on abundance and habits at sea (pp. 131, 147).
  122. Emerson, G. 1940. In quest of the albatross. *Bird-Lore* 42:339-350. (S. Pop.; nig., alb.; Dist., Behav.) Occurrence and behavior of albatrosses on water near California.
  123. Enomoto, Kaju. 1936. (My memories of birds, Part III.) [In Japanese.] *Yacho*, 3(11):29-32. (S. Tech.; alb.; Dist.) Austin (1949): Breeding distribution (p. 29).
  124. Enomoto, Kaju. 1937. (My memories of birds, Part IV.) [In Japanese.] *Yacho*, 4(11): 7-11. (S. Tech.; alb.; Dist., Repr.) Austin (1949): Breeding distribution (p. 8).
  125. Falconer, Bolivar Lang. 1937. *Flying Around the World*. Stratford Co., Boston. 104 pp. (Pop.; nig., imm.; Dist., Behav.) Brief notes on behavior (pp. 61, 98, 100).
  126. Ferdinand, L. 1956. Oceanic bird life. In: A. F. Brunn et al., eds., *The Galathea Deep-sea Expedition, 1950-1952*. Macmillan, New York. 296 pp. (Tech.; nig.; Dist., Ecol.) Sighting records; feeding habits (p. 235).
  127. Fisher, H. I., and Paul H. Baldwin. 1945. A recent trip to Midway Islands, Pacific Ocean. *Elepaio* 6:11-13. (S. Pop.; nig., imm.; Ecol.). Notes on other birds, with population estimation of albatrosses.
  128. Fisher, Harvey I. 1945. Black-footed Albatrosses eating flying fish. *Condor* 47:128-129. (Tech.; nig.; Dist., Ecol.) Ship-following records, with notes on food.
  129. Fisher, Harvey I., and Paul H. Baldwin. 1946. War and the birds of Midway. *Paradise of the Pacific* 58(1):4-9. (Pop.; nig., imm.; Ecol., Prac.) Discussion of causes for bird population changes during World War II.
  130. Fisher, Harvey I., and Paul H. Baldwin. 1946. War and the birds of Midway Atoll. *Condor* 48:3-15. (Tech.; nig., imm.; Ecol., Prac.) Populations in 1945 and summary of effects of World War II on these (pp. 4-5, 10-14).
  131. Fisher, Harvey I. 1947. Bibliography of Hawaiian birds since 1890. *Auk* 64: 78-97. (Tech.; nig., imm.; Gen.) A bibliography.
  132. Fisher, Harvey I. 1948. Laysan Albatross nesting on Moku Manu Islet, off Oahu, T. H. Pacific Sci. 2:66. (Tech.; imm.; Dist., Repr.) Note on a young bird on this island.

133. Fisher, Harvey I. 1948. Interbreeding of Laysan and Black-footed Albatrosses. *Pacific Sci.* 2:132. (Tech.; nig., imm.; Repr.) Records of hybrids, with descriptions and notes on behavior.
134. Fisher, Harvey I. 1949. Populations of birds on Midway and the man-made factors affecting them. *Pacific Sci.* 3: 103–110. (Tech.; nig., imm.; Ecol., Prac.) Population data and discussion of effects of man-made objects and changes on the birds.
135. Fisher, Harvey I. 1951. The avifauna of Niihau Island, Hawaiian Archipelago. *Condor* 53:31–42. (Tech.; nig., imm., alb.; Dist., Repr.) A report of occurrence and breeding (p. 35).
136. Fisher, Walter K. 1903. Notes on the birds peculiar to Laysan Island, Hawaiian group. *Auk* 20:384–397. (Tech.; imm.; Dist.) Mostly on other birds, with mention of albatrosses (pp. 384–385).
137. Fisher, Walter K. 1903. Birds of Laysan and the Leeward Islands, Hawaiian group. *Bull. U. S. Fish Commission* 23:767–807. (Tech.; nig., imm.; Gen.) General report on behavior and biology of these species (pp. 784–789).
138. Fisher, Walter K. 1904. On the habits of the Laysan Albatross. *Auk* 21:8–20. (S. Tech.; imm.; Gen.) General description of habits and life history.
139. Fisher, Walter K. 1904. Albatross pictures. *Condor* 6:151–159. (S. Tech.; imm.; Behav., Ecol.) Pictures, with captions only, from article No. 138 above.
140. Fisher, Walter K. 1904. The Albatross dance at sea. *Condor* 6:78. (Tech.; nig.; Behav., Repr.) Notes on dancing of birds on water and on breeding cycle.
141. Forbes, William Alexander. 1882. Report on the anatomy of the petrels (Tubinares), collected during the voyage of H.M.S. Challenger. In: Report of the scientific results of the voyage of H.M.S. Challenger during the years 1873–76, *Zoology*, Vol. IV, pp. 1–64, 7 pls., 32 figs. (Tech.; nig., alb.; Morph.) Anatomical notes scattered through descriptions of anatomy of members of the group.
142. Fredrich, Leon A. 1961. An occurrence of the Laysan Albatross on the northwestern coast of Oregon. *Condor* 63: 506. (Tech.; imm.; Dist.) A dead specimen reported.
143. Frings, Carl. 1961. Egg sizes of Laysan and Black-footed Albatrosses. *Condor* 63:263. (Tech.; nig., imm.; Behav., Repr.) A note on egg sizes and coloration, with brief observation on behavior.
144. Frings, Hubert, Adam Anthony, and Martin W. Schein. 1958. Salt excretion by nasal gland of Laysan and Black-footed Albatrosses. *Science* 128: 1572. (Tech.; nig., imm.; Phys.) Experimental study of ionic regulation by nasal glands.
145. Frings, Hubert, and Mable Frings. 1959. Problems of albatrosses and men on Midway Islands. *Elepaio* 20:6–9; 14–16; 23–25; 30–33. (S. Tech.; nig., imm.; Behav., Repr., Ecol., Prac.) General report on behavior, populations, life histories, voice and communication, eggs, and the bird-strike problem.
146. Frings, Hubert, and Mable Frings. 1959. Observations on salt balance and behavior of Laysan and Black-footed Albatrosses in captivity. *Condor* 61: 305–314. (Tech.; nig., imm.; Phys., Behav., Ecol., Prac.) Experimental studies on salt needs of captive birds, with notes on behavior.
147. Frings, Hubert, and Mable Frings. 1960. Brief notes on some birds of Midway Islands. *Elepaio* 20:46–48, 55–57. (S. Tech.; nig., imm.; Repr.) Note on a hybrid albatross (pp. 56–57).
148. Frings, Hubert, and Mable Frings. 1961. Some biometric studies on the Albatrosses of Midway Atoll. *Condor* 63:304–312. (Tech.; nig., imm.; Morph., Behav., Ecol.) Observations



- on arrival times, habitat preferences, weights, sex differences, and sexes of dancing pairs.
149. Frings, Hubert, and Mable Frings. 1963. Pest control with sound. Part II. The problem with vertebrates. *Sound* 2: 39-45. (S. Tech.; nig., imm.; Behav., Prac.) Notes on bird-strike problem on Midway (pp. 41-42).
  150. Frings, Hubert, and Mable Frings. 1964. *Animal Communication*. Blaisdell Publ. Co., New York. 204 pp. (S. Tech.; nig., imm.; Behav.) Brief description of communicative behavior (pp. 42, 46, 48, 59, 112, 122).
  151. Fuchimoto, Hajime. 1963. (A meteorological consideration on the breeding places and migration of *Diomedea albatrus*). [In Japanese.] Misc. Repts. Yamashina's Inst. Ornithol. and Zool. 3:247-259. (Tech.; nig., alb.; Dist., Behav., Ecol., Prac.) Report on conditions of terrain, vegetation, and climate conducive to breeding of these species.
  152. Gabrielson, Ira N., and Stanley G. Jewett. 1940. *Birds of Oregon*. Oregon State College, Corvallis. xxx + 650 pp. (Tech.; nig., alb.; Desc., Dist.) Distributional and sighting records (pp. 80-81).
  153. Gabrielson, Ira N. 1944. Some Alaska notes. *Auk* 61:105-130. (Tech.; nig.; Dist.) Sighting records (p. 110).
  154. Galtsoff, P. S. 1933. Pearl and Hermes Reef, Hawaii, hydrographical and biological observations. *B. P. Bishop Mus. Bull.* 107:1-49. (Tech.; imm.; Repr., Ecol.) Brief note on feeding of young (p. 19).
  155. Gee, N. Gist, Lacy I. Moffett, and G. D. Wilder. 1926. A tentative list of Chinese Birds. Part I. from Colymbiformes through Coraciiformes. *Peking Society of Natural History, Bull.* No. I, 370 pp. (Tech., nig., alb.; Dist.) Brief notes of occurrence (p. 3).
  156. Godman, F. du Cane. 1910. *A Monograph of the Petrels*. Witherby, London, Part V, pp. 297-381. (Tech.; nig., imm.; Gen.) Description, synonymy and general notes on behavior and ecology (pp. 332-338).
  157. Greenway, James Cowan, Jr. 1958. *Extinct and Vanishing Birds of the World*. Am. Comm. for Intern. Wild Life Protection, New York, Spec. Publ. 13, 518 pp. (Tech.; nig., imm., alb.; Desc., Dist., Behav., Ecol., Prac.) Sighting records discussed, with extensive review of information on Steller's Albatross (pp. 10, 72, 78, 144-148).
  158. Grinnell, Joseph. 1928. A distributional summation of the ornithology of Lower California. *Univ. Cal. Publ. Zool.* 32:1-300. (Tech.; nig., imm., alb.; Dist.) Distributional notes (pp. 34, 64).
  159. Grinnell, Joseph, and Alden H. Miller. 1944. *The distribution of the birds of California*. Pacific Coast Avifauna, No. 27, 608 pp. (Tech.; nig., imm., alb.; Desc., Dist., Ecol.) Distribution and synonymy discussed (pp. 40-41).
  160. Grooch, W. S. 1936. *Skyway to Asia*. Longmans, Green and Co., New York. 205 pp. (Pop.; nig., imm.; Dist., Behav., Repr.) Notes of observations (pp. 67-68, 72, 164-165).
  161. Hadden, F. C. 1941. Midway Islands. *Hawaiian Planters' Record* 45:179-221. (S. Pop.; nig., imm., alb.; Gen.) A general report of observations on the birds over a period of a few years (pp. 17-18, 27-39).
  162. Hamilton, William J., III. 1958. Pelagic birds observed on a North Pacific crossing. *Condor* 60:159-164. (Tech.; nig., imm.; Dist., Behav., Ecol.) Notes on occurrence of birds at sea, relation to water temperatures, and behavior (pp. 160-162).
  163. Hanson, Charles. 1959. Field notes. Field trip, Feb. 23, 1959. *Elepaio* 19: 67. (S. Pop.; nig., imm.; Dist.) Sighting records.
  164. Hanson, Charles. 1960. Report of trip to Midway Island, Dec. 28-Jan. 4.

- Elepaio 20:64–65. (S. Pop.; nig., imm.; Ecol., Prac.) Short notes on albatrosses, particularly the bird-strike problem.
165. Hartert, E. 1898. On the birds of the Marianne Islands. *Novit. Zool.* 5:51–69. (Tech.; nig.; Dist.) Listing of a specimen in Paris Museum (p. 69).
  166. Hattori, Toru. 1889. (The story of the Albatross of Torishima.) [In Japanese.] *Zool. Mag. (Dobutsugaku Zasshi)*, Tokyo 1(12):405–411. (Tech.; alb.; Gen.) Austin (1949): general work on behavior, reproduction and habits.
  167. Hawaii Audubon Society. 1959. *Hawaiian Birds*. Fisher Corporation, Ltd., Honolulu. 60 pp. (S. Tech.; nig., imm.; Desc., Dist.) Brief description and range data (p. 25).
  168. Heenan, David, Jr. 1922. The birds of Midway Island. *Mid-Pacific Mag.* 24: 247–249. (Pop.; nig., imm.; Behav., Prac.) Brief notes on behavior, and killing of birds by man.
  169. Henning, Charles L. 1912. Der Untergang des Albatros auf Laysan Island, *Hawaiische Inseln. Naturw. Wochenschr.*, N. F. 11:729–730. (Tech.; nig., imm.; Prac.) Brief report on destruction by feather hunters, as reported by others.
  170. Henshaw, H. W. 1900. Occurrence of *Larus glaucescens* and other American birds in Hawaii. *Auk* 17:201–206. (Tech.; nig.; Dist., Behav.) Note on ship-following and feeding (p. 202).
  171. Henshaw, H. W. 1902. Birds of the Hawaiian Islands, Being a Complete List of the Birds of the Hawaiian Possessions with Notes on Their Habits. Hawaiian Gazette Co., Honolulu. 146 pp. (Tech.; nig., imm.; Desc., Dist.) Brief notes on description and distribution (pp. 122, 140).
  172. Henshaw, Henry W. 1912. Our mid-Pacific bird reservation. *Year Book, U. S. D. A.*, 1911:155–164. (S. Pop.; nig., imm.; Dist., Behav., Ecol., Prac.) Observations and review on relations of birds to man, and general habits (pp. 157, 159, 161–164).
  173. Holmes, Richard T. 1964. Notes on the occurrence of the Laysan Albatross near the California coast. *Condor* 66: 302–303. (Tech.; imm.; Dist., Ecol.) Distribution over sea in close proximity to coast.
  174. Howard, Hildegard. 1929. The avifauna of Emeryville shellmound. *Univ. Cal. Publ. Zool.* 32:301–394, Pls. 1–4. (Tech.; alb.; Dist.) Reports of findings of albatross bones in mounds; findings of Pleistocene fossils (pp. 309, 332).
  175. Howard, Hildegard, and Leigh Marian Dodson. 1933. Birds remains from an Indian shell-mound near Point Mugu, California. *Condor* 35:235. (Tech.; nig., alb.; Dist.) Report of albatross bones from Indian mounds.
  176. Howell, Alfred Brazier. 1917. Birds of the islands off the coast of Southern California. *Pacific Coast Avifauna*, No. 12, 127 pp. (Tech.; nig., alb.; Dist.) Sighting notes (p. 30).
  177. Howell, Thomas R., and George A. Bartholomew. 1961. Temperature regulation in Laysan and Black-footed Albatrosses. *Condor* 63:185–197. (Tech.; nig., imm.; Dist., Phys., Behav., Ecol.) Experimental study of heat regulation, with notes on range, ecology, and behavior.
  178. Jacques, Francis Lee. 1930. Water birds observed on the Arctic Ocean and the Bering Sea in 1928. *Auk* 47:353–366. (Tech.; nig.; Dist., Behav., Ecol.) Notes on population structure and sightings, with observations on night flying.
  179. Jensen, Sigurd. 1949. From Johnston Island. *Elepaio* 9:66. (S. Pop.; imm.?.; Dist.) Sighting record.
  180. Johansen, Hans. 1961. Revised list of the birds of the Commander Islands. *Auk* 78:44–56. (Tech.; nig., alb.; Dist.) Sighting record.
  181. Jones, Frederic Wood. 1926. Some observations on the flight of sea birds.

- Trans. Roy. Soc. S. Australia 1:36-41. (Tech.; nig., alb.; Behav.) Technical discussion of flight and factors influencing it, with scattered references to these species.
182. Jones, Frederic Wood. 1936. The wanderings of the albatrosses. *Emu* 36: 103-105. (S. Tech.; nig.; Dist.) Brief mention of sightings (p. 103).
  183. Jouanin, Christian. 1959(1960). Une colonie méconnue d'Albatros à pieds noir, *Diomedea nigripes*, dans les îles Mariannes. *Bull. Mus. Natl. Hist. Nat.* 31:477-480. (Tech.; nig.; Dist., Prac.) Record of a colony 70 years ago in the Marianas and notes on bird destruction.
  184. Kaeding, Henry B. 1905. Birds from the west coast of Lower California and adjacent islands. *Condor* 7:105-111. (Tech.; nig., imm.; Dist., Ecol.) Sighting records with notes on seasonal variation in numbers (p. 107).
  185. Kalmbach, E. R., Jean Delacour, Ira N. Gabrielson, Robert A. McCabe, and David A. Munro. 1958. Report to the American Ornithologists' Union of the Committee on Bird Protection, 1957. *Auk* 75:81-85. (Tech.; nig., imm.; Prac.) Statement on attempts to solve the bird-strike problem on Midway Island.
  186. Kellogg, V. L., and J. H. Paine. 1910. Mallophaga from the birds of Laysan Island. *Entomol. News* 21:124-125. (Tech.; nig., imm.; Ecol.) List of parasites collected on birds.
  187. Kenyon, Karl W. 1950. Distribution of albatrosses in the North Pacific and adjacent waters. *Condor* 52:97-103. (Tech.; nig., imm., alb.; Dist., Behav., Ecol.) Distribution, food habits, and behavior discussed.
  188. Kenyon, Karl W. 1957. The situation on Midway. *Elepaio* 18:1-2. (S. Pop.; nig., imm.; Ecol., Prac.) Brief report on the albatross problem, with plans for studies.
  189. Kenyon, Karl W., and Dale W. Rice. 1958. Birds of Kure Atoll, Hawaii. *Condor* 60:188-190. (Tech.; nig., imm.; Dist.) Population in 1957.
  190. Kenyon, Karl W., Dale W. Rice, Chandler S. Robbins, and John W. Aldrich. 1958. Birds and aircraft on Midway Islands. 1956-57 investigations. *Special Sci. Rept., Wildlife*, No. 38, 51 pp. (Tech.; nig., imm.; Dist., Behav., Ecol., Prac.) Detailed, general report on populations, homing, mortality, behavior, etc. as related to the problem of aircraft strikes.
  191. Kenyon, Karl W., and Dale W. Rice. 1958. Homing of Laysan Albatrosses. *Condor* 60:3-6. (Tech.; imm.; Behav.) Report on return of birds experimentally released at great distances from Midway Islands.
  192. Kenyon, Karl W. 1961. Birds of Amchitka Island, Alaska. *Auk* 78:305-326. (Tech.; imm., alb.; Dist.) Sighting records and reports of finding of bones (p. 310).
  193. Kenyon, Karl W., and Victor B. Sheffer. 1961. Wildlife surveys along the northwest coast of Washington. *Murrelet* 42:29-37. (Tech.; nig.; Dist.) Sighting record (p. 32).
  194. King, Ben. 1961. Field notes in Hawaii. *Elepaio* 22:1-3. (S. Pop.; nig.; Dist.) Sighting records (pp. 1, 2).
  195. King, Joseph E. 1958. Albatross comes to town. *Elepaio* 18:69. (S. Pop.; imm.; Dist.) Note on finding albatross on Oahu.
  196. Kirby, Harold, Jr. 1925. The birds of Fanning Island, Central Pacific Ocean. *Condor* 27:185-196. (Tech.; nig.; Dist., Behav.) Sighting record from ship, with brief descriptions of flight and landing (p. 186).
  197. Kittlitz, F. H. von. 1834. Nachricht von den Brüteplätzen einiger tropischen Seevögel im Stillen Ocean. *Senckenb. Nat. Gesell., Mus. Senckenb.* 1:117-126. (S. Tech.; nig., imm.; Gen.) Early description, with notes on behavior, etc., as reported by a Herr Isenbeck.
  198. Knowlton, Frank H. 1909. Birds of the

- World; a Popular Account. Henry Holt and Co., New York. 873 pp. (Pop.; imm.; Behav.) Dancing description, as given by Fisher (p. 109).
199. Kobayashi, Keisuke. 1930. (On a collection of birds and eggs from the Riukiu Islands.) [In Japanese.] *Tori* 6(30): 341–382. (Tech.; alb.; Dist., Repr.) Austin (1949): egg sizes and reproduction (p. 371).
  200. Kobayashi, Keisuke, and Takeo Ishizawa. 1932–1940. *The Eggs of Japanese Birds*. Keisuke, Kobayashi, Kobe. 2 vols., 16 parts, 235 pp. (Tech.; alb.; Dist., Repr.) Austin (1949): breeding distribution and egg description (p. 33).
  201. Kobayashi, Keisuke. 1956. *Birds of Japan*. Hoikusha, Osaka, Japan. 204 pp. (S. Pop.; nig., imm., alb.; Desc., Dist.) Brief accounts of these species (pp. 95–96, 170–171).
  202. Kurochkin, E. N. 1963. (Distribution of some sea birds in the North Pacific Ocean.) [In Russian.] *Zool. Zhur.* 42:1223–1231. (Tech.; nig., imm.; Dist.) Distributional records (p. 1229).
  203. Kuroda, N. 1922. A list of the birds of Micronesia Group, exclusive of Magalhaes, Gilbert and Ellice islands. In: Momiyama, *Birds of Micronesia*. Ornithological Society of Japan, Part 1, pp. 31–78. (Tech.; nig.; Dist.) Baker (1951): distributional note (p. 32).
  204. Kuroda, Nagahisa. 1955. Observations on pelagic birds of the northwest Pacific. *Condor* 57:290–300. (Tech.; nig., imm.; Dist., Behav., Ecol.) Report on two birds, particularly relation to water temperature and behavior (p. 292).
  205. Kuroda, Nagahisa. 1960. Observation diary of sea birds and mammals during research cruise to the NW Pacific. [In Japanese.] *Japan Wildlife Bull.* 17:307–334. (Tech.; nig.?, imm.; Dist.) Sight records.
  206. Kuroda, Nagahisa. 1960. Analysis of sea bird distribution in the northwest Pacific Ocean. *Pacific Sci.* 14:55–67. (Tech.; nig., imm.; Dist., Ecol.) Review of distribution as related to water temperatures (pp. 56, 61–65).
  207. Kuroda, Nagahisa. 1963. A winter seabird census between Tokyo and Kushiro, Hokkaido. *Misc. Repts., Yamashina's Inst. Ornithol. and Zool.* 3:227–238. (Tech.; alb.; Dist.) Sighting record.
  208. La Touche, John D. 1892. On the birds collected or observed in the vicinity of Foochow and Swatow in South-eastern China. Part II. *Ibis*, 6th Ser., 4:477–503. (Tech.; nig.?, alb.; Dist.) Sighting records (p. 501).
  209. La Touche, John D. 1895. Notes on South Formosa and its birds. *Ibis*, 7th Ser., 1:305–338. (S. Tech.; alb.; Dist.) Brief note on distribution as seen from shipboard (p. 327).
  210. La Touche, John D. 1921. Notes on the birds of North-East Chihli, in North China. Part III. *Ibis*, 11th Ser., 3:3–48. (Tech.; nig.?, alb.?, Dist., Behav.) Sighting record (p. 34).
  211. La Touche, John D. 1925–1934. *A Handbook of the Birds of Eastern China*. Taylor and Francis, London. Vol. 2, Part 5, pp. 401–496. (S. Tech.; nig., alb.; Desc., Dist., Morph.) Brief description, with some measurements (pp. 428–430).
  212. Labrecque, Al. 1957. A trip to Laysan Island. *Elepaio* 18:16–19. (S. Pop.; nig., imm.; Behav.) Short note on behavior of young (p. 17).
  213. Laing, Hamilton. 1925. Birds collected and observed during the cruise of the *Thiepval* in the North Pacific, 1924. *Victoria Mem. Mus. Bull.* No. 40, Biol. Ser. no. 9. (Tech.; nig., alb.; Dist., Behav.) Notes on distribution and habits in flight and over water (pp. 13–14).
  214. Lamb, C. C. 1910. A glimpse of bird life on the west coast of Mexico. *Condor* 12:74–79. (Tech.; nig.; Dist.) Sighting records (pp. 74, 79).

215. Lane, Robert K. 1962. A Short-tailed Albatross off British Columbia. Canadian Field Nat. 76:178-179. (Tech.; alb.; Dist.) Sighting and photographic record.
216. Le Souef, A. S. 1922. Notes on sea birds between Sydney and England. Emu 22:52-54. (S. Tech.; nig., imm.; Dist., Behav.) Sighting records (p. 54).
217. Le Souëf, Dudley. 1908. The President of the A. O. U. abroad. Emu 7:210-213. (S. Tech.; nig., alb.?.; Dist.) Sighting records (p. 211).
218. Loomis, Leverett M. 1900. California water birds. No. IV. Vicinity of Monterey in Autumn. Proc. Cal. Acad. Sci., 3rd Ser., Zool. 2:277-322. (Tech.; nig., alb.; Dist., Repr., Ecol.) Brief notes on migration, breeding, and distribution (pp. 307, 319).
219. Loomis, Leverett M. 1900. California water birds. No. V. Vicinity of Monterey in May and early June. Proc. Cal. Acad. Sci., 3rd Ser., Zool. 2:349-363. (Tech.; nig.; Dist., Behav.) Sighting records, with brief notes on behavior (pp. 352, 359).
220. Loomis, Leverett Mills. 1918. Expedition of the California Academy of Sciences to the Galapagos Islands, 1905-1906. XII. A review of the albatrosses, petrels, and diving petrels. Proc. Cal. Acad. Sci., 4th Ser., Part 2, 2(12):1-187. (Tech.; nig., imm., alb.; Gen.) General descriptions, taxonomy, biometric observations and distributional notes (pp. 15-16, 20, 33, 35-36, 42, 44, 71-75, 83-84).
221. Loomis Leverett Mills. 1920. Variation in the albatrosses and petrels. Emu 19:310-312. (Tech.; nig.; Morph.) Variability in length and shape of tube-nose noted.
222. McFarland, Larry Z. 1959. Captive marine birds possessing a functional lateral nasal gland (salt gland). Nature 184: 2030. (Tech.; nig., imm.; Phys.) Experimental study on secretion of ions by nasal glands.
223. McHugh, J. L. 1950. Increasing abundance of albatrosses off the coast of California. Condor 52:153-156. (Tech.; nig., imm., alb.; Dist., Ecol.) Review of literature, with new records and studies on movements.
224. McHugh, J. L. 1952. Fur Seals preying on Black-footed Albatross. J. Wildlife Management 16:226. (Tech.; nig.; Dist., Behav., Ecol.) Relationships between this species and fur seals, with notes on feeding.
225. McHugh, J. L. 1955. Distribution of Black-footed Albatross, *Diomedea nigripes*, off the west coast of North America, 1949 and 1950. Pacific Sci. 9:375-381. (Tech.; nig.; Dist., Ecol.) Seasonal changes in distribution, and factors affecting them.
226. McLain, Robert B. 1898. Capture of the Short-tailed Albatross on the coast of southern California. Auk 15:267. (Tech.; alb.; Dist.) Capture record.
227. McLellan, M. E. 1926. Expedition to the Revillagigedo Island Mexico, in 1925, VI. Proc. Cal. Acad. Sci., 4th Ser., 15:279-322. (Tech.; nig.; Dist.) Distributional note (p. 285).
228. Macdonald, J. D. 1952. A recent sight record of Steller's Albatross. Ibis 94: 536-537. (Tech.; nig., imm., alb.; Dist.) Sighting records.
229. Macdonald, J. D., and P. A. Lawford. 1954. Sight record of birds in the Pacific: compiled from the bird log kept during the recent cruises of HMS *Challenger*. Emu 54:7-28. (Tech.; nig., imm., alb.; Desc., Dist., Behav., Ecol.) Brief notes on occurrence and behavior (pp. 12, 14-17).
230. Martin, Patrick W. 1942. Notes on some pelagic birds off the coast of British Columbia. Condor 44:27-29. (Tech.; nig.; Dist., Behav., Ecol.) Seasonal distribution, with notes on food preferences (p. 27).
231. Mathews, Gregory M. 1930. Systema Aviam Australasianarum. British Or-

- nithologists' Union, London, Part II, pp. 427-1048. (Tech.; nig.; Dist.) Distributional note (p. 907).
232. Mathews, Gregory M. 1934. A check-list of the order Procellariiformes. *Novitates Zool.* 39:151-206, 4 folding keys. (Tech.; nig., imm., alb.; Desc., Dist., Repr.) Brief discussion of taxonomy, distribution, and breeding areas (pp. 153, 154, 199).
  233. Mauldin, Douglas B. 1961. The second battle of Midway. U. S. Naval Inst. Proc. 1961:42-49. (Pop.; nig., imm.; Prac.) Description of the aircraft strike problem.
  234. Mayr, E. 1945. *Birds of the Southwest Pacific*. Macmillan Co., New York. 316 pp. (Tech.; nig., imm., alb.; Desc., Dist., Repr.) Brief summaries of information on distribution, with a key (pp. 4-5).
  235. Miller, Loye. 1936. Some maritime birds observed off San Diego, California. *Condor* 38:9-16. (Tech.; nig., alb.; Dist., Morph., Behav., Ecol.) Feeding, flight and habits at sea described, with a note on probable extinction of *D. albatrus* (pp. 10-11).
  236. Miller, Loye. 1937. Winter notes on some North American birds in the tropics. *Condor* 39:16-19. (Tech.; nig.; Dist.) Sighting records (p. 16).
  237. Miller, Loye. 1940. Observations on the Black-footed Albatross. *Condor* 42: 229-238. (Tech.; nig., alb.; Gen.) Behavior, distribution, morphology, ecology, etc., of birds over water.
  238. Miller, Loye. 1942. Some tagging experiments with Black-footed Albatrosses. *Condor* 44:3-9. (Tech.; nig.; Dist., Behav., Ecol.) Behavior, feeding, flight, and ecology of birds at sea near California.
  239. Miller, Robert Cunningham. 1955. *Wings of the storm*. *Pacific Discovery* 8(5):3-8. (S. Pop.; nig., imm.; Behav.) Brief description of flight.
  240. Miller, Robert Cunningham. 1962. More about albatrosses. *Pacific Discovery* 15(5):8-9. (S. Pop.; nig., imm., alb.; Desc., Dist., Ecol.) General notes on factors affecting occurrence, with descriptions.
  241. Miller, William Burke. 1936. Flying the Pacific. *Natl. Geog. Mag.* 70:665-707. (Pop.; nig., imm.; Behav.) Pictures and sketchy descriptions of dancing (pp. 684-693).
  242. Moir, G. S. 1946. Dance of the Laysan Albatross. *Elepaio* 6:80-81. (S. Pop.; imm.; Dist., Behav.) Birds observed dancing on Kauai; dance is described.
  243. Munro, George C. 1930. Myriad-nested Laysan. *Asia* 30:686-689. (S. Pop.; nig., imm.; Behav., Ecol.) Notes on general life histories and breeding behavior.
  244. Munro, George C. 1941-1943. *Birds of Hawaii and adventures in bird study. An ocean cruise*. *Elepaio* Vol. 2:34-36, 41-43, 49-51, 56-58, 63-64, 67-68, 72-73, 77-78; Vol. 3:2-3, 5-6, 7-8, 12-13, 15-16, 18-19, 22-23, 26-27. (S. Pop.; nig., imm.; Dist., Behav., Ecol.) Notes on voyage to Midway Islands in 1891, with random observations on distribution, nesting, and behavior patterns (Vol. 2, pp. 49, 56-57, 63, 67, 72-73; Vol. 3, pp. 5, 8, 13, 18, 23, 26).
  245. Munro, George C. 1942. (Letter from Admiral Nimitz.) *Elepaio* 3:1. (Pop.; nig., imm.; Prac.) Note on effects of war on bird life at Midway Islands.
  246. Munro, George C. 1943. Some breeding and feeding habits of sea birds. *Elepaio* 4:17-18, 23-25. (S. Tech.; nig., imm.; Behav., Ecol.) Notes on arrivals of birds from sea, calls, and feeding of young (pp. 17-18, 23).
  247. Munro, George C. 1944. *Birds of Hawaii, and adventures in bird study. Notes on migrations and straggling birds*. *Elepaio* 4:33-34, 37-38, 41-42. (S. Pop.; nig., imm.; Behav.) Notes on return of birds to breeding spots; note on strange albatross on Midway (pp. 37, 42).
  248. Munro, George C. 1944. Mr. and Mrs. Morrison of Midway Island. *Elepaio*



- 4:52. (S. Pop.; nig., imm.; Prac.) Historical note on bird protection by early residents.
249. Munro, George C. 1945. Notes on the bird life of Midway Islands. *Elepaio* 6:22-26. (S. Tech.; nig., imm.; Ecol.) Comments on postwar populations and predictions for future.
  250. Munro, George C. 1945. The Laysan Albatross on Kauai. *Elepaio* 5:70. (S. Pop.; imm.; Dist.) Sighting record.
  251. Munro, George C. 1945. Tragedy in bird life. *Elepaio* 5:48-49. (S. Pop.; nig., imm.; Prac.) Notes on effects of war on Midway birds.
  252. Munro, George C. 1946. Notes on Midway Island birds. *Elepaio* 6:43-46. (S. Tech.; imm.; Behav., Ecol., Prac.) Brief notes on foods, feeding, and dancing.
  253. Munro, George C. 1946. Laysan Island in 1891. *Elepaio* 6:51-52, 60-61, 66-69. (S. Tech.; nig., imm.; Behav., Ecol., Prac.) Historical notes on behavior and early trapping (pp. 51, 61, 67-68).
  254. Munro, George C. 1946. Facts about birds. *Elepaio* 6:73-74, 82-83. (S. Tech.; nig.; Behav.) Brief note on diving (p. 73).
  255. Munro, George C. 1946. Notes on the Black-footed and Laysan Albatrosses. *Elepaio* 7:28-29. (S. Pop.; nig., imm.; Dist., Ecol.) Note on albatrosses on Oahu, with note on albinos.
  256. Munro, George C. 1946. Field notes. *Elepaio* 6:79. (S. Tech.; nig., imm.; Dist.) Note on albatross on Oahu and Kauai.
  257. Munro, George C. 1946. The war and Pacific birds. *Nature Mag.* 39:125-127, 160. (S. Pop.; nig., imm.; Dist., Ecol., Prac.) Report on effect of war on populations (p. 127).
  258. Munro, George C. 1955. Hawaii's birds in their homes: How to save them from extinction. 6. Birds on an island naval base. *Elepaio* 16:23-24. (S. Pop.; nig., imm.; Behav.) Brief note on adaptations of albatrosses to life on Midway Islands.
  259. Munro, George C. 1955. Hawaii's birds in their homes: How to save them from extinction. 7. Beautiful bird sights on outlying islands. *Elepaio* 16:28-30. (S. Pop.; imm.; Behav.) Brief description of dancing (p. 30).
  260. Munro, George C. 1956. Hawaii's birds in their homes: How to save them from extinction. 11. Sea birds in the main group. *Elepaio* 16:46-47. (S. Pop.; nig., imm.; Ecol.) Brief note on possible occurrence on main Hawaiian islands.
  261. Munro, George C. 1960. Birds of Hawaii. Bridgeway Press, Charles E. Tuttle Co., Rutland, Vermont and Tokyo, Japan. 192 pp. (S. Tech.; nig., imm., alb.; Desc., Dist., Behav., Repr., Ecol.) Short, general description and discussion of behavior, etc. (pp. 17-21).
  262. Murburger, Nell. 1944. Midway's gooneys and others. *Nature Mag.* 37:295-298. (Pop.; nig., imm.; Gen.) General notes.
  263. Murie, O. J. 1959. Fauna of the Aleutian Islands and Alaska Peninsula. N. Amer. Fauna No. 61. U. S. Fish and Wildlife Serv., Washington, D. C. xiv + 406 pp. (Tech.; nig., imm., alb.; Dist., Morph., Ecol.) Notes on distribution, with some measurements (pp. 34-40).
  264. Murphy, Robert Cushman. 1936. Oceanic birds of South America. *Am. Mus. Nat. Hist., New York*. Vol. 1, 640 p. (Tech.; nig.; Dist., Behav.) Note, from literature, on dancing on water (p. 559).
  265. Murphy, Robert Cushman. 1937. The ocean birds: Albatrosses and Petrels; Gannets, Man-o'-war-birds, and Tropic-birds. In: Gilbert Grosvenor and Alexander Wetmore, eds., *The Book of Birds*. Natl. Geog. Soc., Washington, D. C. 356 pp. (S. Pop.; nig., imm.; Gen.) Brief general summary (p. 40).

266. Nakamura, Tsukasa. 1963. Distribution of the Black-footed Albatross (*Diomedea nigripes*) in the North Pacific Ocean. Misc. Repts. Yamashina's Inst. Ornithol. and Zool. 3:239-246. (Tech.; nig.; Dist., Ecol.) Observations from shipboard on distribution at sea and factors determining it.
267. Namiye, M. 1905. (Animals of Minami Torishima [Birds]). [In Japanese.] Zool. Mag. (Dobutsugaku Zasshi), Tokyo 17(201):219. (Tech.; nig., imm.; Dist., Repr.) Austin (1949): Breeding records (p. 219).
268. Navy Department. 1960. Letter and fact sheet on albatross problem at Midway. Elepaio 20:62-63. (S. Pop.; nig., imm.; Prac.) Defense of Navy programs for solution of aircraft strike problem.
269. Neff, Edwin D. 1945. Meet Joe Gooney, clown of the island circuit. Nat. Hist. 54:373-374. (Pop.; nig., imm.; Gen.) Brief description of appearance and behavior.
270. Nichols, J. T. 1958. Reminiscences, thoughts, and records from observations at sea. Marine Life Occas. Papers 1(10):59-89. (S. Pop.; nig.; Dist.) Notes of sightings from shipboard (pp. 75-76).
271. Northwood, J. d'Arcy. 1940. Familiar Hawaiian Birds. Thomas Nickerson, Honolulu. 63 pp. (S. Pop.; nig., imm.; Desc., Dist., Behav., Ecol.) Brief notes on range, identification, food and dancing (pp. 1-2).
272. Northwood, J. d'Arcy. 1942. Notes on sea-birds returning to breeding spot. Elepaio 2:74. (S. Tech.; imm.; Behav., Ecol.) Brief notes on populations and return to breeding areas on Midway Islands.
273. Nutting, Charles C. 1903. The bird rookeries on the islands of Laysan. Popular Sci. Monthly 63:321-332. (S. Pop.; nig., imm.; Behav., Repr.) Behavior and life histories of albatrosses and other birds.
274. Oates, Eugene W. 1901. Catalogue of the collection of birds' eggs in the British Museum. British Mus. (Nat. Hist.), London. Vol. I, 252 pp. (Tech.; nig., alb.; Repr.) Egg sizes and descriptions (pp. 162-163).
275. Okabe, Masayoshi. 1930. (Information from the Bonin Islands.) [In Japanese.] In: Data on birds and mammals. Ministry of Ag. and Forestry, Tokyo 6(11):264-273. (S. Tech.; nig., alb.; Dist., Repr., Ecol.) Austin (1949): Distribution and reproduction (p. 272).
276. Oliver, W. R. B. 1932. Branch reports. New Zealand. Emu 31:222-223. (Tech.; nig.; Dist.) Brief note on occurrence.
277. Oliver, W. R. B. 1932. Branch reports. New Zealand. Emu 35:241-242. (Tech.; nig.; Dist.) Distributional note.
278. Ord, W. Michael. 1961. White terns at Koko Head, Oahu. Elepaio 22:17-18. (S. Pop.; imm.; Dist.) Sighting record (p. 18).
279. Ord, W. Michael. 1962. Sightings of interest made by group A on the 1961 Christmas count. Elepaio 22:60-61. (S. Pop.; nig., imm.; Dist.) Sighting records.
280. Ord, W. Michael. 1963. Field notes. Saturday, Dec. 8, 1962. Elepaio 23:41. (S. Pop.; nig.; Dist.) Sighting record.
281. Oustalet, M. E. 1889. Sur la faune ornithologique des Iles Mariannes. Naturaliste, 2<sup>e</sup> sér., 64(11<sup>e</sup> Année): 260-261. (Tech.; nig.; Dist.) Note on albatross collected (p. 261).
282. Oustalet, M. E. 1895-1896. Les mammifères et les oiseaux des Iles Mariannes. Nouv. Arch. Mus. Hist. Nat. Paris sér. 3, 7:141-228; 8:24-74. (Tech.; nig.; Desc., Morph., Repr.) Description and measurements, including eggs (pp. 51-54).
283. Palmer, Ralph S., ed. 1962. Handbook of North American Birds. Vol. 1. Yale Univ. Press, New Haven. 567 pp. (Tech.; nig., imm., alb.; Gen.)

- Review of reports on all aspects of biology of the birds (pp. 116-130).
284. Pearson, T. G. 1936. Birds of America, Part I. Garden City Publ. Co., Garden City, N. Y. xlv + 272 pp. (S. Tech.; nig., imm.; Gen.) Brief notes on general habits and distribution with special attention to feather-hunting (pp. 75-79).
  285. Perkins, R. C. L. 1903. Fauna Hawaiensis. Cambridge University Press, Cambridge. Vol. 1, Part 4, pp. 365-466. (Tech.; nig., imm.; Dist.) Notes on occurrence (pp. 463-464).
  286. Peters, James L. 1931, 1935. Checklist of Birds of the World. Vol. 1. Harvard Univ. Press, Cambridge, Mass. 345 pp. (Tech.; nig., imm., alb.; Dist.) List of species, references to descriptions and distribution (p. 431).
  287. Peters, James L. 1938. Laysan Albatross on San Nicolas Island, California. Condor 40:90. (Tech.; imm.; Dist.) Note on specimen taken on California coast; remarks on possible confusion with *D. albatrus*.
  288. Peterson, Roger Tory. 1961. A Field Guide to Western Birds. Houghton Mifflin Co., Boston. 366 pp. (S. Tech.; nig., imm.; Desc., Dist., Repr., Ecol.) Outline of salient features of identification, voices, range and nesting (pp. 10-11).
  289. Porter, H. Paul. 1947. Assignment to Midway. Elepaio 8:26-27. (S. Pop.; nig., imm.; Behav.) Brief notes on behavior of young.
  290. Preble, E. A., and W. L. McAtee. 1923. A biological survey of the Pribilof Islands, Alaska. N. Am. Fauna No. 46, 255 pp. U. S. Bur. of Biol. Survey, Washington, D. C. (Tech.; alb.; Dist.) Summary of area reports (p. 38).
  291. Quoy, J. R. C., and P. J. Gaimard. 1824-1826. Voyage autour du monde. Entrepres par ordre du Roi. Zoologie. Paris. 712 pp. (Tech.; nig.; Dist.) Baker (1951): Sightings southwest of Hawaii (p. 145).
  292. Reed, Chester A. 1904. North American Bird Eggs. Doubleday, Page, and Co., New York. 356 pp. (S. Tech.; nig., imm., alb.; Repr.) Brief description of eggs (p. 46).
  293. Reichenow, Anton. 1899. Das Vogel-leben auf der Insel Laysan. Ornith. Monatsber. 7:121-126, 144-150. (S. Pop.; nig., imm.; Behav., Repr., Ecol.) Review, with extracts, of Schauinsland's book (1899).
  294. Rice, Dale W. 1959. Birds and aircraft on Midway Islands. 1957-58 investigations. Spec. Sci. Rept., Wildlife, No. 44, 49 pp. (Tech.; nig., imm.; Gen.) General report on populations, life histories, and breeding behavior as related to aircraft hazard created by the birds.
  295. Rice, Dale W., and Karl W. Kenyon. 1962. Breeding cycles and behavior of Laysan and Black-footed Albatrosses. Auk 79:517-567. (Tech.; nig., imm.; Behav., Repr.) General coverage of breeding behavior, territoriality, and development of young.
  296. Rice, Dale W., and Karl W. Kenyon. 1962. Breeding distribution, history, and populations of North Pacific albatrosses. Auk 79:365-386. (Tech.; nig., imm., alb.; Dist., Ecol.) Review of populations over sixty years.
  297. Richards, T. W. 1909. Nesting of *Diomedea nigripes* and *D. immutabilis* on Midway Islands. Condor 11:122-123. (Tech.; nig., imm.; Repr.) Descriptions of nests and eggs, with notes on arrival dates.
  298. Richardson, Frank, and Harvey I. Fisher. 1950. Birds of Moku Manu and Manana islands off Oahu, Hawaii. Auk 67:285-306. (Tech.; nig., imm.; Dist., Repr.) Brief notes on occurrence and breeding near Oahu (pp. 290, 299).
  299. Richardson, Frank. 1954. Notes on the birds of French Frigate Shoal. Elepaio 14:61-63, 73-75. (S. Tech.; nig., imm.; Ecol.) Albatrosses reported on the islands.
  300. Richardson, Frank. 1957. The Breeding

- Cycles of Hawaiian Sea Birds. B. P. Bishop Mus. Bull. 218, 41 pp. (Tech.; nig., imm.; Dist., Repr., Ecol.) Review of data on distribution and breeding as related to climate.
301. Richdale, L. E. 1948. Function of love-habits among penguins and petrels. *Emu* 48:95-103. (Tech.; nig.; Behav.) Note on reported dancing at sea (pp. 96-97).
  302. Richdale, L. E. 1950. The pre-egg stage in the albatross family. *Biol. Monogr.* No. 3, Otago Daily Times and Witness Newspapers Co., Ltd., Dunedin, New Zealand. 92 pp. (Tech.; nig., imm., alb.; Behav., Repr.) Comparison of mating behavior of the Royal Albatross with that of other species as reported in literature (pp. 14-15, 22-29, 45-50, 66-72, 84-85).
  303. Richdale, L. E. 1952. Post-egg period in albatrosses. *Biol. Monogr.* No. 4, Otago Daily Times and Witness Newspapers Co., Ltd., Dunedin, New Zealand. 166 pp. (Tech.; nig., imm., alb.; Behav., Repr.) Comparison of incubation and nesting behavior of the Royal Albatross with those of other albatrosses, as reported in literature and by letters.
  304. Riggs, Mary E. 1959. Field trip, March 22, 1959. *Elepaio* 19:75. (S. Pop.; nig.; Dist.) Sighting record, Oahu.
  305. Rothschild, W. 1893. *Diomedea immutabilis*, sp. n. *Ibis*, 6th Ser., 5:448. (Tech.; imm.; Desc.) Description of species.
  306. Rothschild, Walter. 1893-1900. The Avifauna of Laysan and the Neighboring Islands: With a Complete History to Date of the Birds of the Hawaiian Possessions. R. H. Porter, London. 2 vol., 320 pp. (Tech.; nig., imm.; Gen.) Description, taxonomy, field notes (Vol. 1, pp. vii-xiv, 55, 57-58; Vol. 2, pp. 291-293, 302-304, 314-315, 317; 16 unnumbered plates).
  307. Rowe, Gordon. 1946. Letter on his work at Midway. *Elepaio* 7:25. (S. Tech.; imm.; Morph., Prac.) Note on albino chick and on hazard to birds of man's construction.
  308. Safford, W. E. 1902. Birds of the Marianne Islands and their vernacular names. *Osprey* 6:39-42, 65-70. (S. Tech.; nig.; Dist.) Baker (1951): Distributional note (p. 70).
  309. Salvin, Osbert. 1896. Tubinares. In: Catalogue of the Gaviae and Tubinares in the Collection of the British Museum. *Brit. Mus. Nat. Hist.*, London, Vol. 15, pp. 340-475. (Tech.; nig., imm., alb.; Desc., Dist., Ecol.) Synonymy, bibliography, description, habitat and records with specimens (pp. 444-447).
  310. Sanger, Gerald A. 1965. Observations of wildlife off the coast of Washington and Oregon in 1963, with notes on the Laysan Albatross (*Diomedea immutabilis*) in this area. *Murrelet* 46(1): 1-6. (Tech., nig., imm.; Dist., Behav.) Sighting records, with notes on behavior and range (pp. 2-3, 5).
  311. Sawyer, E. Earl. 1949. Letter from Midway Islands. *Elepaio* 10:18. (S. Pop.; imm.; Behav., Repr.) Brief note on behavior and mortality of young.
  312. Schauinsland, H. H. 1899. Drei Monate auf einer Koralleninsel (Laysan). Bremen, Mössler. 104 pp. (S. Pop.; nig., imm.; Behav., Repr., Ecol.) Notes on general behavior, particularly parent-young relationships (pp. 45-64, 101).
  313. Schell, Charles. 1957. Observations on bird life of Midway. *Elepaio* 18:9-11. (S. Pop.; nig., imm.; Behav.) Brief notes on "fear" and nest defense.
  314. Sclater, Philip Latley. 1880. Report on the birds collected during the voyage of H.M.S. Challenger in the years 1873-1876. In: Report of the scientific results of the voyage of H.M.S. Challenger during the years 1873-76, Zoology, Vol. II, Part VIII, 154 pp. (Tech.; nig., alb.?.; Desc., Dist., Ecol.) Brief notes on distribution and habits (pp. 147-148).
  - 314a. Seale, Alvin. 1900. Field notes on the

- birds of Oahu, H. I. B. P. Bishop Mus. Occas. Papers 1:33-46. (Tech.; nig.; Dist.) Brief note on distribution (p. 34).
315. Seale, A. 1901. Report of a mission to Guam. Part I. Avifauna. B. P. Bishop Mus. Occas. Papers 1(3):17-60. (Tech.; nig.; Dist.) Brief note on distribution (p. 22).
  316. Seebohm, Henry. 1884. Further contributions to the ornithology of Japan. *Ibis*, 5th Ser., 2:174-183. (Tech.; nig., alb.; Dist., Morph.) Brief dimensions and capture records.
  317. Seebohm, Henry. 1885. Further contributions to the ornithology of Japan. *Ibis*, 5th Ser., 3:363-364. (Tech.; nig.; Dist.) Capture record.
  318. Seebohm, Henry. 1890. On the birds of the Bonin Islands. *Ibis*, 6th Ser., 2: 95-108. (Tech.; alb.; Desc., Dist., Repr.) Note on distribution, egg size and coloration (p. 105).
  319. Seebohm, Henry. 1890. The Birds of the Japanese Empire. R. H. Porter, London. 386 pp. (Tech.; nig., alb.; Desc., Dist., Morph., Repr.) Brief description and synonymy, with sizes of eggs (pp. 261-263).
  320. Seebohm, Henry. 1891. On the birds of the Volcano Islands. *Ibis*, 6th Ser., 3:189-192. (Tech.; nig.; Repr.) Note on breeding, young, and egg size and color (p. 191).
  321. Sefton, J. W., Jr. 1934. Pelagic birds near shore. *Condor* 36:242-243. (Tech.; nig.; Dist.) Sighting records (p. 242).
  322. Sheehan, Robert R. 1951. Observations on birds of Midway. *Elepaio* 12:24-25, 40-41. (S. Pop.; nig., imm.; Behav., Prac.) Random notes on abandonment of young and relations of birds to aircraft.
  323. Sheehan, Robert R. 1952. Notes from Midway. *Elepaio* 12:50. (S. Tech.; nig., imm.; Behav.) Brief notes on arrival of birds from sea, egg laying, and nest ritual.
  324. Sheehan, Robert. 1952. Black-footed Albatross. *Elepaio* 12:57. (S. Tech.; nig.; Repr.) Short note on incubation times.
  325. Sheehan, Robert R. 1952. Rump coloration of the Black-footed Albatross. *Elepaio* 12:71. (S. Pop.; nig.; Desc.) Brief discussion of the significance of this feature.
  326. Sheehan, Robert R. 1952. Ecological notes on Midway birds. *Elepaio* 12: 79. (S. Tech.; nig., imm.; Repr.) Short note on incubation times.
  327. Shelmidine, L. S. 1948. The early history of Midway Islands. *American Neptune* 8:179-195. (Pop.; nig., imm.; Behav., Repr.) Very brief mention of feeding of young (p. 189).
  328. Shufeldt, Robert Wilson. 1885. Variations in the form of the beak that take place during its growth in the Short-tailed Albatross (*Diomedea brachyura*). *Auk* 2:175-178. (Tech.; alb.; Morph.) Anatomical study on beak.
  329. Shufeldt, Robert Wilson. 1889. Observations upon the osteology of the Orders Tubinares and Steganopodes. *Proc. U. S. Natl. Mus.* 11:253-315. (Tech.; alb.; Morph.) Detailed anatomy of skeleton (pp. 270-286).
  330. Siebold, Philip Franz. 1833. *Fauna Japonica*. A. J. Müller et Co., Amsterdam. 4 vols. (Tech.; alb.; Desc., Dist.) Brief remarks (p. 132, Pl. 87).
  331. Stager, Kenneth E. 1958. A record of the Laysan Albatross from Southern California. *Condor* 60:404-405. (Tech.; imm.; Dist.) Note on capture of live bird.
  332. Starrett, William C., and Keith L. Dixon. 1946. The scarcity of the Black-footed Albatross in parts of its known range. *Condor* 48:268-271. (Tech.; nig.; Dist.) Discussion of distribution records.
  333. Stejneger, Leonhard. 1885. Results of ornithological explorations in the Commander Islands and in Kamtschatka. *U. S. Natl. Mus. Bull.* No. 29, pp. 1-382, 7 pls. (Tech.; nig., alb.; Desc., Dist., Morph.) General

- notes on taxonomy, distribution and morphology (pp. 89–90, 316, 331, 337, 340).
334. Stejneger, Leonhard. 1887. Contributions to the natural history of the Commander Islands. No. 7. Revised and annotated catalogue of the birds inhabiting the Commander Islands. Proc. U. S. Natl. Mus. 10:117–145. (Tech.; alb.; Dist.) Distributional notes (p. 125).
  335. Stejneger, Leonhard. 1898. The birds of the Kuril Islands. Proc. U. S. Natl. Mus. 21:269–296. (Tech.; alb.; Dist.) Sighting record (p. 277).
  336. Streets, Thomas H. 1877. Contributions to the natural history of the Hawaiian and Fanning islands and Lower California. Bull. U. S. Natl. Mus., No. 7, 172 pp. (Tech.; nig.; Desc., Dist.) Brief description and distribution notes (p. 31).
  337. Swarth, H. S. 1931. Black-footed Albatross on San Francisco Bay. Condor 33:214–215. (Tech.; nig., alb.; Dist.) Note on occurrence of albatrosses.
  338. Swinhoe, Robert. 1860. The ornithology of Amoy (China). Ibis, 1st Ser., 2: 45–68. (Tech.; nig., alb.; Dist., Prac.) Note on occurrence and use as food.
  339. ——— Reference deleted
  340. Swinhoe, Robert. 1863. The ornithology of Formosa, or Taiwan. Ibis, 1st Ser., 5:377–435. (Tech.; nig., alb.; Gen.) Taxonomic data, anatomy, and captivity.
  341. Swinhoe, Robert. 1863. Catalogue of the birds of China, with remarks principally on their geographical distribution. Proc. Zool. Soc., London, 1863: 259–339. (S. Tech.; nig., alb.; Dist.) Distributional records (p. 329).
  342. Swinhoe, Robert. 1867. Jottings on birds from my Amoy Journal. Ibis, 2nd Ser., 3:226–237. (S. Tech.; alb.; Morph.) Brief note on tracheal swelling (pp. 226–227).
  343. Swinhoe, Robert. 1871. A revised catalogue of the birds of China and its islands, with descriptions of new species, references to former notes, and occasional remarks. Proc. Zool. Soc., London, 1871:337–423. (S. Tech.; nig., alb.; Desc., Dist.) Distributional record (p. 422).
  344. Swinhoe, Robert. 1873. On a black albatross of the China Seas. Proc. Zool. Soc. London, 1873:784–786. (Tech.; alb.; Desc., Dist., Morph., Behav.) Taxonomic data, anatomy and captivity.
  345. Swinhoe, Robert. 1874. On some birds from Hakodadi, in northern Japan. Ibis, 3rd Ser., 4:150–166. (Tech.; alb.; Dist.) Note on occurrence.
  346. Taczanowski, L. 1876. Verzeichniss der Vögel, welche durch die Herren Dr. Dybowski und Godlewski im südlichen Ussuri-Lande, und namentlich an der Küsten des Japanischen Meeres unter 43° n. Br. gesammelt und beobachtet worden sind. J. Ornithol. 24: 189–203. (Tech.; nig., alb.; Dist.) Distributional record (p. 202).
  347. Temminck, C. J., and H. Schlegel. 1833. See Siebold, Philip Franz, 1833.
  348. Thayer, John E., and Outram Bangs. 1908. The present state of the Ornis of Guadalupe Island. Condor 10: 101–106. (Tech.; nig.; Dist.) Capture records.
  349. Thompson, Daniel Q. 1951. Notes on distribution of North Pacific albatrosses. Auk 68:227–235. (Tech.; nig., imm., alb.; Dist., Behav., Ecol.) Correlation of distribution with temperature and jellyfish abundance, with notes on food and feeding habits.
  350. Townsend, C. H. 1890. Birds from the coast of western North American and islands, etc. Proc. U. S. Natl. Mus. 13:131–142. (Tech.; nig., alb.; Dist.) Very brief note on specimens (p. 142).
  351. Uchida, Seinosuke. 1927. The present conditions of the protection of birds and mammals in Japan. Dept. of



- Animal Industry, Min. of Ag. and Forestry, Tokyo. 23 pp. (S. Tech.; alb.; Ecol., Prac.) Notes on protection of *D. albatrus* in Japan, with photo of breeding (pp. 3, 5).
352. Udvardy, Miklos D. F. 1961. The Harold J. Coolidge Expedition to Laysan Island. *Elepaio* 22:43-47. (S. Pop.; imm.; Dist., Behav.) Brief sighting records and mention of habits.
  353. Udvardy, M. D. F. 1963. Data on the body temperature of tropical sea and water birds. *Auk* 80:191-194. (Tech.; nig., imm.; Phys.) Body temperatures reported (pp. 191-192).
  354. Vanderbilt, George, and Rodolphe Meyer de Schauensee. 1941. Zoological results of the Vanderbilt Nihoa Expedition. I. Summary of zoological explorations and birds of Nihoa. *Notulae Naturae*, No. 86, 14 pp. (Tech.; nig., imm.; Dist.) Note on occurrence (p. 8).
  355. Walker, Lewis Wayne. 1945. The black gooney. *Nat. Hist.* 54:370-372. (Pop.; nig.; Gen.) Photos with captions.
  356. Walker, Lewis Wayne. 1945. The white gooney. *Nat. Hist.* 54:374-376. (Pop.; imm.; Gen.) Photos and paragraphs on generalities.
  357. Warner, Rick. 1958. Wildlife of Laysan Island. *Elepaio* 19:8-10, 20-23. (S. Pop.; nig., imm.; Ecol., Prac.) Brief history of albatross problem on Midway Islands and brief notes on albatross on Laysan Island.
  358. Wetmore, Alexander. 1925. Bird life among lava rocks and coral sand. *Natl. Geog. Mag.* 48:76-108. (S. Pop.; nig., imm.; Dist., Behav., Repr.) Brief notes on and photos of behavior (pp. 80, 82, 85, 86, 90, 92, 96, 102, 103, 105).
  359. Wetmore, Alexander. 1928. The Short-tailed Albatross in Oregon. *Condor* 30:191. (Tech.; alb.; Dist.) Bones found in shell mounds.
  360. Wilder, G. D. 1940. The three albatrosses of the North Pacific. *China J., Shanghai* 32:69-73. (S. Tech.; nig., imm., alb.; Desc., Dist., Behav.) Sighting records, identification in flight, and casual notes on behavior.
  361. Wilder, Howard. 1949. The Black-footed Albatross. *Elepaio* 10:3-4. (S. Pop.; nig.; Dist., Behav., Repr.) Random notes on behavior, including fearlessness and dancing; egg size noted.
  362. Wilhoft, Daniel C. 1961. Birds observed during two crossings of the Pacific Ocean. *Condor* 63:257-262. (Tech.; nig., imm.; Dist., Ecol.) Sighting records, with note on water temperature preferences and food (pp. 258-260).
  363. Willett, George. 1912. Birds of the Pacific slope of Southern California. *Pacific Coast Avifauna*, No. 7, 122 pp. (Tech.; nig., alb.; Dist.) Records of occurrence (p. 17).
  364. Willett, George. 1913. Pelagic wanderers. *Condor* 15:158. (Tech.; imm.; Dist.) Sighting record.
  365. Willett, George. 1915. Summer birds of Forrester Island, Alaska. *Auk* 32:295-305. (Tech.; nig.; Dist.) Sighting record (p. 300).
  366. Willett, George. 1919. Notes on the nesting of two little-known species of petrel. *Condor* 21:60-61. (Tech.; imm.; Ecol.) Brief mention of destruction of nests by high waters on Laysan Island (p. 61).
  367. Willett, George. 1933. A revised list of the birds of southwestern California. *Pacific Coast Avifauna*, No. 21, 204 pp. (Tech.; nig., alb.; Dist.) Records of occurrence (pp. 13-14).
  368. Willett, George. 1937. Off-shore bird notes. *Condor* 39:226. (Tech.; nig.; Dist.) Sighting record.
  369. Wilson, Edward. 1960. Concerning a trip to Midway with Chandler Robbins, March 18, 1960. *Elepaio* 21:4-5. (S. Pop.; nig., imm.; Ecol., Prac.) Brief note on population of albatrosses at Midway Islands as affected by dune leveling.

370. Wilson, Edward. 1961. (Letter) Elepaio 22:29–31. (S. Pop.; nig., imm.; Ecol., Prac.) Account of banding operations, with counts, and effects of dune leveling on albatrosses at Midway Islands.
371. Wilson, Scott B., and A. H. Evans. 1890–1899. *Aves Hawaiienses: The Birds of the Sandwich Islands*. Porter, London. 257 pp. (Tech.; nig., imm., alb.; Desc., Dist., Morph.) Synonymy, description, dimensions, and distributional notes (p. 217).
372. Woodcock, A. R. 1902. Annotated list of the birds of Oregon. Oregon Ag. Exp. Sta. Bull. 68, 119 pp. (S. Tech.; nig., alb.; Dist.) Brief distributional note (p. 10).
373. Woodside, David. 1948. Laysan Albatross. Elepaio 8:47. (S. Pop.; imm.; Dist.) Brief note on occurrence near Oahu.
374. Wyatt, Bruce. 1963. A Short-tailed Albatross sighted off the Oregon Coast. Condor 65:163. (Tech.; nig., alb.; Dist.) Sighting records.
375. Yamashina, Marquis. 1942. (Birds of the Seven Islands of Izu.) [In Japanese.] Tori 11(53–54):191–270. (Tech.; nig., imm., alb.; Dist., Prac.) Austin (1949): distribution, sighting records and relations to man (pp. 244–248).
376. Yamashina, Yoshimaro. 1931. (A trip to Torishima.) [In Japanese.] Tori 7(31):5–10. (Tech.; alb.; Dist., Repr., Prac.) Austin (1949): distribution, reproduction, and relations to man.
377. Yamashina, Yoshimaro. 1961. Birds in Japan, a Field Guide. Tokyo News Service, Tokyo. 233 pp. (S. Pop.; nig., imm., alb.; Desc., Dist., Repr.) Brief descriptions with notes on habits and range (pp. 161, 206).
378. Yocom, Charles F. 1947. Observations on bird life in the Pacific Ocean off the North American shores. Condor 49:204–208. (Tech.; nig., imm.; Dist., Behav.) Notes on distribution and feeding of birds sighted from ships.
379. Yocom, Charles. 1947. Notes on behavior and abundance of the Black-footed Albatrosses in the Pacific waters off the continental North American shores. Auk 64:507–523. (Tech.; nig., imm., alb.; Desc., Dist., Behav., Ecol.) General account and review of activities of birds over ocean.
380. Yoshiwara, Sigeyasu. 1901. (Animals of the Bonin Islands.) [In Japanese.] Zool. Mag. (Dobutsugaku Zasshi), Tokyo 13(156):309–316. (Tech.; alb.; Dist.) Austin (1949): distributional records (p. 310).

## INDEX

*Diomedea nigripes*, Black-footed Albatross

GENERAL: 34, 35, 39, 44, 45, 57, 105, 109, 116, 131, 137, 156, 161, 197, 220, 237, 262, 265, 269, 283, 284, 294, 306, 340, 355.

DESCRIPTION: 2, 32, 46, 47, 48, 51, 54, 62, 63, 68, 74, 81, 87, 90, 99, 100, 101, 152, 157, 159, 167, 171, 201, 211, 229, 232, 234, 240, 261, 271, 282, 288, 309, 314, 319, 325, 336, 343, 360, 379.

DISTRIBUTION: 2, 4, 6, 15, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 31, 32, 33, 36, 38, 40, 43, 46, 48, 51, 54, 55, 56, 63, 64, 65, 67, 68, 69, 72, 73, 74, 75, 75a, 76, 77, 81, 82, 86, 87, 90, 91, 93, 94, 95, 96, 97, 99, 100, 101, 102, 103, 104, 107, 110, 120, 121, 122, 125, 126, 128, 135, 151, 152, 153, 155, 157, 158, 159, 160, 162, 163, 165, 167, 170, 171, 172, 175, 176, 177, 178, 179, 182, 183, 184, 187, 189, 190, 193, 194, 196, 201, 202, 203, 204, 205, 206, 208, 210, 211, 213, 214, 216, 217, 218, 219, 223, 224, 225, 227, 228, 229, 230, 231, 232, 234, 235, 236, 238, 240, 244, 255, 256, 257, 263, 264, 266, 267, 270, 271, 275, 276, 277, 279, 280, 281, 285, 286, 288, 291, 296, 298, 300, 304, 308, 309, 310, 314, 314a, 315, 316, 317, 319, 321, 332, 333, 336, 337, 338, 341, 343, 346, 348, 349, 350, 354, 358, 360, 361, 362, 363, 365, 367, 368, 371, 372, 374, 375, 377, 378, 379.

MORPHOLOGY: 32, 46, 48, 49, 50, 90, 99, 100, 101, 141, 148, 211, 221, 235, 263, 282, 316, 319.

PHYSIOLOGY: 144, 146, 177, 222, 353.

BEHAVIOR: 4, 6, 14, 26, 30, 37, 40, 41, 42, 47, 51, 52, 54, 59, 60, 61, 62, 63, 64, 68, 80, 81, 90, 92, 93, 103, 104, 106, 107, 108, 114, 118, 121, 122, 125, 140, 143, 145, 146, 148, 149, 150, 151, 160, 162, 168, 170, 172, 177, 178, 181, 187, 190, 196, 204, 210, 212, 213, 216, 219, 224, 229, 230, 235, 238, 239, 241, 243, 244, 246, 247, 253, 254, 258, 261, 264, 271, 273, 289, 293, 295, 301, 302, 303, 310, 312, 313, 322, 323, 327, 349, 358, 360, 361, 378, 379.

REPRODUCTION: 2, 4, 30, 36, 43, 52, 60, 64, 81, 92, 102, 104, 133, 140, 143, 145, 147, 160, 218, 232, 261, 267, 273, 274, 275, 282, 288, 292, 293, 295, 297, 300, 302, 303, 312, 320, 324, 326, 327, 358, 361.

ECOLOGY: 4, 5, 7, 9, 10, 11, 28, 33, 42, 47, 53, 54, 63, 66, 71, 74, 78, 84, 92, 98, 103, 107, 111, 113, 114, 115, 117, 118, 121, 126, 127, 128, 129, 130, 134, 145, 146, 148, 151, 159, 162, 164, 172, 177, 178, 184, 186, 187, 188, 190, 204, 206, 218, 223, 224, 225, 229, 230, 235, 238, 240, 243, 244, 246, 249, 253, 255, 257, 260, 261, 263, 266, 271, 275, 288, 293, 296, 299, 300, 309, 312, 314, 349, 357, 362, 369, 370, 379.

PRACTICAL: 1, 5, 8, 12, 13, 28, 29, 35, 43, 53, 58, 70, 71, 75a, 77, 78, 79, 83, 107, 114, 117, 118, 119, 129, 130, 134, 145, 146, 149, 151, 164, 168, 169, 172, 183, 185, 188, 190, 233, 245, 248, 251, 253, 257, 268, 322, 338, 357, 369, 370, 375.

*Diomedea immutabilis*, Laysan Albatross

GENERAL: 34, 35, 39, 44, 45, 57, 105, 109, 116, 131, 137, 138, 156, 161, 197, 220, 262, 265, 269, 283, 284, 294, 306, 356.

DESCRIPTION: 2, 32, 47, 51, 54, 62, 63, 68, 74, 80, 100, 101, 159, 167, 171, 201, 229, 232, 240, 261, 271, 288, 305, 309, 360, 371, 379.

DISTRIBUTION: 2, 4, 6, 15, 16, 17, 18, 20, 24, 27, 28, 32, 36, 43, 51, 54, 63, 64, 68, 69, 72, 73, 74, 75, 77, 81, 93, 94, 95, 100, 101,

107, 110, 120, 125, 132, 135, 136, 142, 157, 158, 159, 160, 162, 163, 167, 171, 172, 173, 177, 179, 184, 187, 189, 190, 192, 195, 201, 202, 204, 205, 206, 216, 223, 228, 229, 232, 234, 240, 242, 244, 250, 255, 256, 257, 263, 267, 271, 278, 279, 285, 286, 287, 288, 296, 298, 300, 309, 310, 331, 349, 352, 354, 358, 360, 362, 364, 371, 373, 375, 377, 378, 379.

MORPHOLOGY: 32, 49, 50, 100, 101, 148, 263, 307, 371.

PHYSIOLOGY: 144, 146, 177, 222, 353.

BEHAVIOR: 4, 6, 14, 30, 37, 41, 42, 47, 51, 52, 54, 59, 60, 61, 62, 63, 64, 68, 80, 81, 92, 106, 107, 108, 114, 118, 125, 139, 143, 145, 146, 148, 149, 150, 160, 162, 168, 172, 177, 187, 190, 191, 198, 212, 216, 229, 239, 241, 242, 243, 244, 246, 247, 252, 253, 258, 259, 261, 271, 272, 273, 289, 293, 295, 302, 303, 310, 311, 312, 313, 322, 323, 327, 349, 352, 358, 360, 379.

REPRODUCTION: 2, 4, 30, 36, 43, 52, 60, 64, 81, 92, 132, 133, 135, 143, 145, 147, 154, 160, 232, 261, 267, 273, 288, 292, 293, 295, 297, 298, 300, 302, 303, 311, 312, 326, 327, 358.

ECOLOGY: 4, 5, 7, 10, 28, 42, 47, 53, 54, 63, 66, 71, 74, 78, 84, 92, 107, 111, 112, 113, 114, 117, 118, 127, 129, 130, 134, 139, 145, 146, 148, 154, 164, 172, 173, 177, 186, 187, 188, 190, 204, 206, 223, 229, 240, 243, 244, 246, 249, 252, 253, 255, 257, 260, 261, 271, 272, 288, 293, 296, 299, 300, 309, 312, 349, 357, 366, 369, 370, 379.

PRACTICAL: 1, 5, 8, 12, 13, 28, 35, 43, 53, 58, 70, 71, 77, 78, 79, 83, 107, 114, 117, 118, 119, 129, 130, 134, 145, 146, 149, 164, 168, 169, 172, 185, 188, 190, 233, 245, 248, 251, 252, 253, 257, 268, 307, 322, 357, 369, 370, 375.

*Diomedea albatrus*, Steller's (Short-tailed) Albatross

GENERAL: 34, 35, 57, 105, 166, 220, 283, 340.

DESCRIPTION: 2, 46, 47, 51, 54, 63, 87, 90, 99, 100, 101, 152, 159, 201, 211, 229, 232, 240, 309, 314, 318, 319, 330, 333, 343, 344, 360, 377.

DISTRIBUTION: 2, 3, 31, 33, 36, 45, 46, 48, 51, 54, 55, 63, 64, 65, 67, 82, 85, 87, 88, 89, 90, 93, 94, 99, 100, 101, 102, 104, 121, 122, 123, 124, 135, 151, 152, 155, 157, 158, 159, 161, 174, 175, 176, 180, 187, 192, 199, 200, 201, 207, 208, 209, 210, 211, 213, 215, 217, 218, 223, 226, 228, 229, 232, 234, 235, 237, 240, 261, 263, 275, 286, 290, 296, 309, 314, 316, 318, 319, 330, 333, 334, 335, 337, 338, 341, 343, 344, 345, 346, 349, 350, 359, 360, 363, 369, 371, 372, 374, 375, 376, 377, 379, 380.

MORPHOLOGY: 46, 99, 100, 101, 141, 211, 316, 319, 328, 329, 333, 342, 344.

BEHAVIOR: 26, 47, 51, 54, 63, 93, 104, 121, 151, 181, 187, 210, 302, 303, 344, 360.

REPRODUCTION: 2, 88, 89, 101, 102, 104, 124, 199, 200, 232, 234, 274, 275, 292, 302, 303, 318, 319, 376, 377.

ECOLOGY: 33, 47, 54, 63, 121, 151, 157, 159, 187, 223, 240, 275, 296, 309, 314, 351.

PRACTICAL: 28, 35, 151, 157, 338, 351, 375, 376.